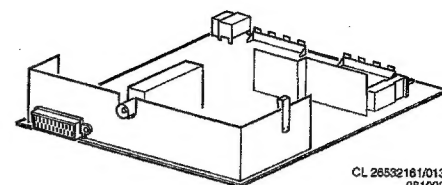


Service  
Service  
**Service**

# Anubis A

AC



CL 26532161/013  
081092

# Service Manual

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## 2.1 ANUBIS A

# Technical specification and connection facilities

Mains voltage	: 220-240 V $\pm$ 10 %
	: 50 Hz $\pm$ 5 %
Aerial input impedance	: 75 $\Omega$ - coax
Minimum aerial input VHF	: 30 $\mu$ V
Minimum aerial input UHF	: 40 $\mu$ V
Maximum aerial input	: 180 mV
Pull-in range colour sync	: $\pm$ 300 Hz
Pull-in range horizontal sync	: $\pm$ 600 Hz
Pull-in range vertical sync	: $\pm$ 5 Hz
Picture tube range	: 14", 15", 17" and 21"


### Euroconnector:

1	-	Audio	$\rightarrow$ R (0,5V RMS $\leq$ 1k $\Omega$ )
2	-	Audio	$\rightarrow$ R (0,2 - 2V RMS $\geq$ 10k $\Omega$ )
3	-	Audio	$\rightarrow$ L (0,5V RMS $\leq$ 1k $\Omega$ )
4	-	Audio	$\perp$
5	-	Blue	$\perp$
6	-	Audio	$\rightarrow$ L (0,2 - 2V RMS $\geq$ 10k $\Omega$ )
7	-	Blue	(0,7V <sub>pp</sub> /75 $\Omega$ )
8	-	CVBS-status 1	$\rightarrow$ (0-2V int.)(10-12V ext.)
9	-	Green	$\perp$
10	-	-	
11	-	Green	(0,7V <sub>pp</sub> /75 $\Omega$ )
12	-	-	
13	-	Red	$\perp$
14	-	-	
15	-	Red	(0,7V <sub>pp</sub> /75 $\Omega$ )
16	-	RGB-status	(0-0,4V int.)(1-3V ext. 75 $\Omega$ )
17	-	CVBS	$\perp$
18	-	CVBS	$\perp$
19	-	CVBS	$\rightarrow$ (1V <sub>pp</sub> /75 $\Omega$ )
20	-	CVBS	$\rightarrow$ (1V <sub>pp</sub> /75 $\Omega$ )
21	-	Earthscreen	

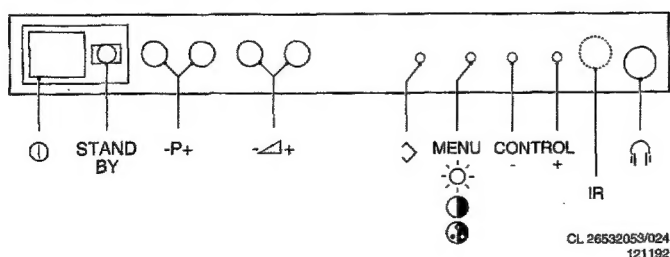
### CINCH:

$\odot$ CINCH	Audio $\rightarrow$ (0,2V <sub>eff</sub> - 2 V <sub>eff</sub> $\geq$ 10k $\Omega$ )
$\odot$ CINCH	CVBS $\rightarrow$ (1V <sub>pp</sub> /75 $\Omega$ )

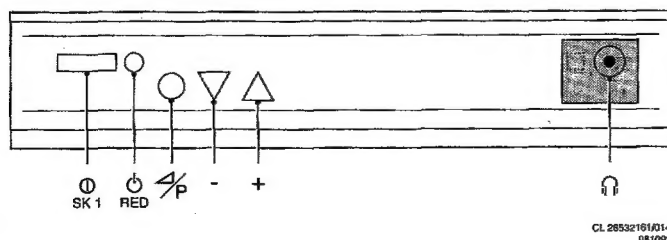
### Head phone:

	8 - 600 $\Omega$ /15mW
--	------------------------

### 8 local controls version:



### 3 local controls version:



## Mechanical instructions

### 1. Servicing position

To facilitate troubleshooting and repairing the set, the chassis can, after disconnection of the degaussing coil, be pulled out of the cabinet, turned 180°, and placed behind it (see Fig. 5).

### 2. Flat square picture tube fixation.

Demounting the picture tube:

Loosen the nuts by turning them with a box spanner hexagon (10 mm) **clockwise**, (see Fig. 6).

Mounting the picture tube:

Turn the spindles **counterclockwise** into the mask with a box spanner hexagon (4 mm).

Locate the picture tube in the mask. The easiest way is placing the cabinet with the front facing down. Position the picture tube in the middle of the mask. Turn the spindles **clockwise** until the nut can be fixed onto the spindle.

Turn the nut **counterclockwise** finger-tight against the picture tube fixation.

Turn the spindle **clockwise** until the whole has been fixed tightly (the nut must not turn any more).

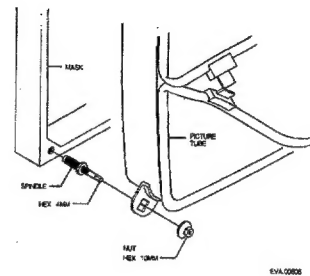


Fig. 6

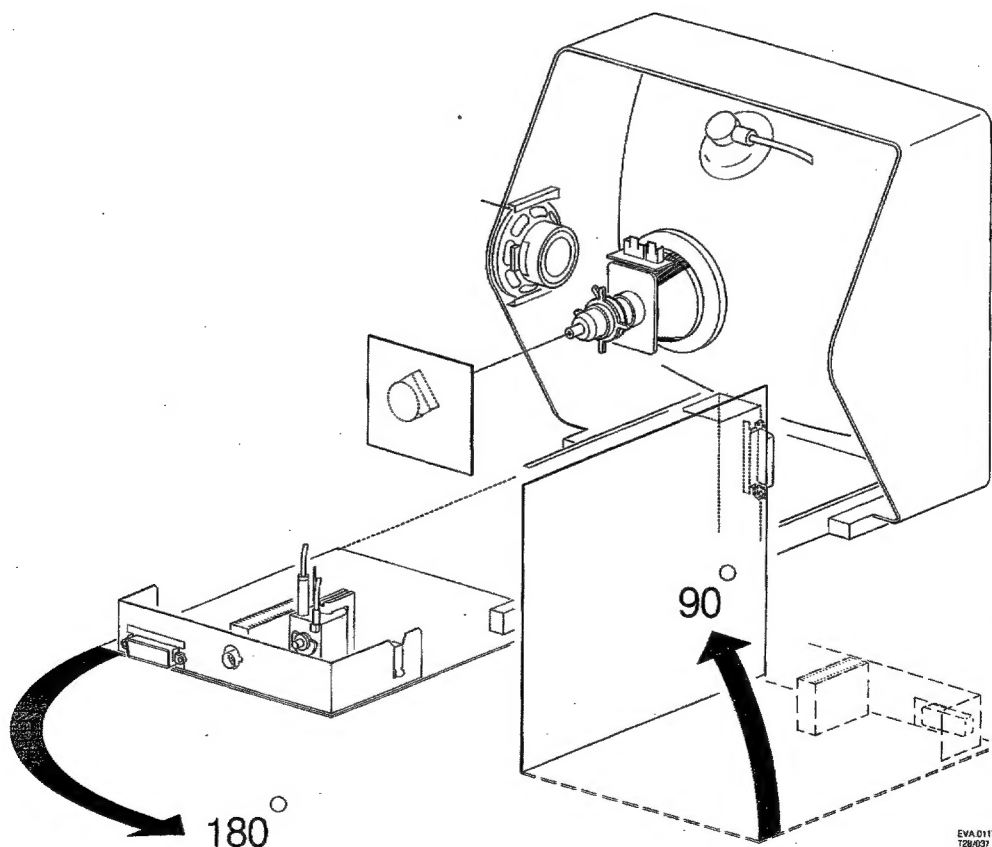
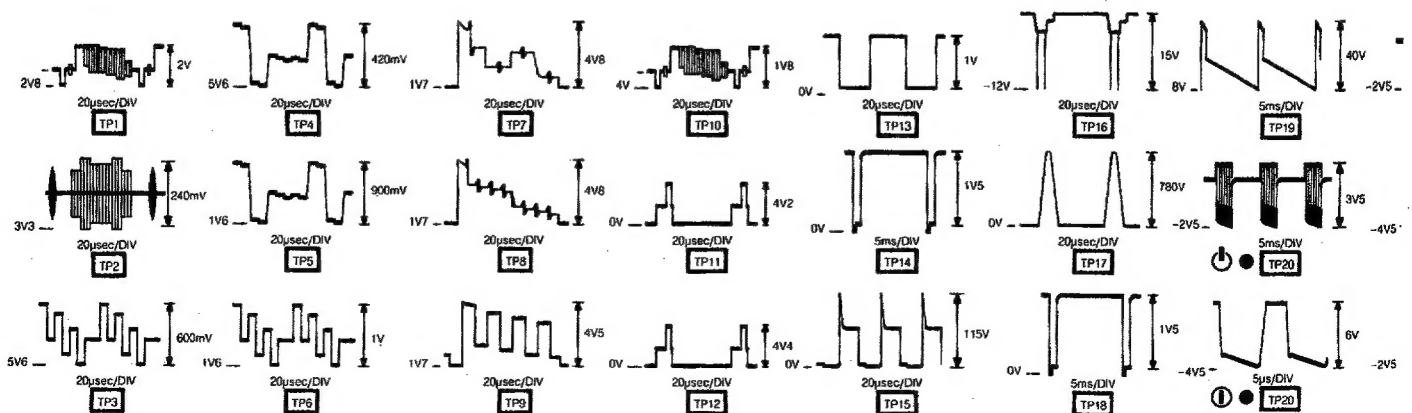
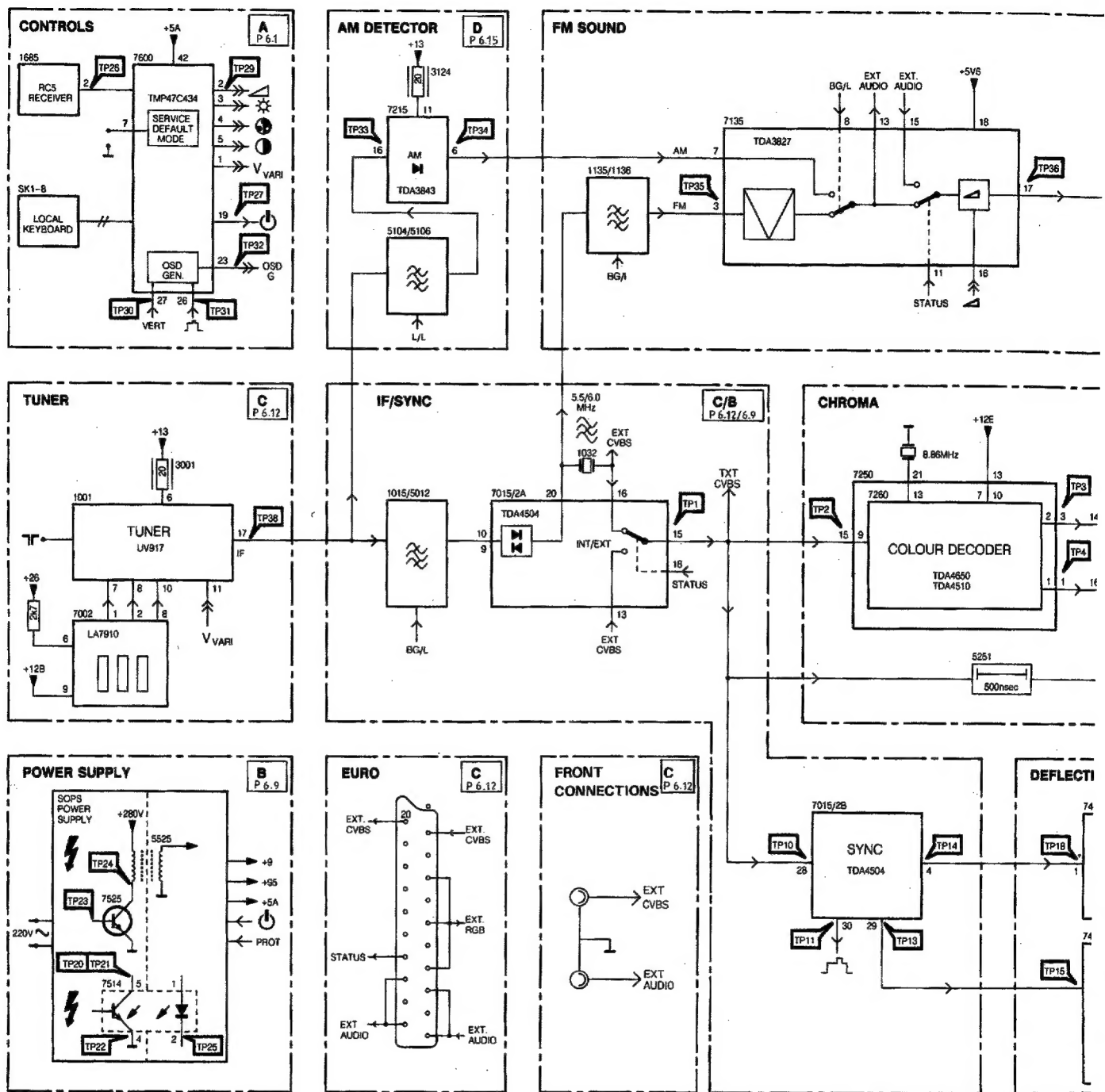
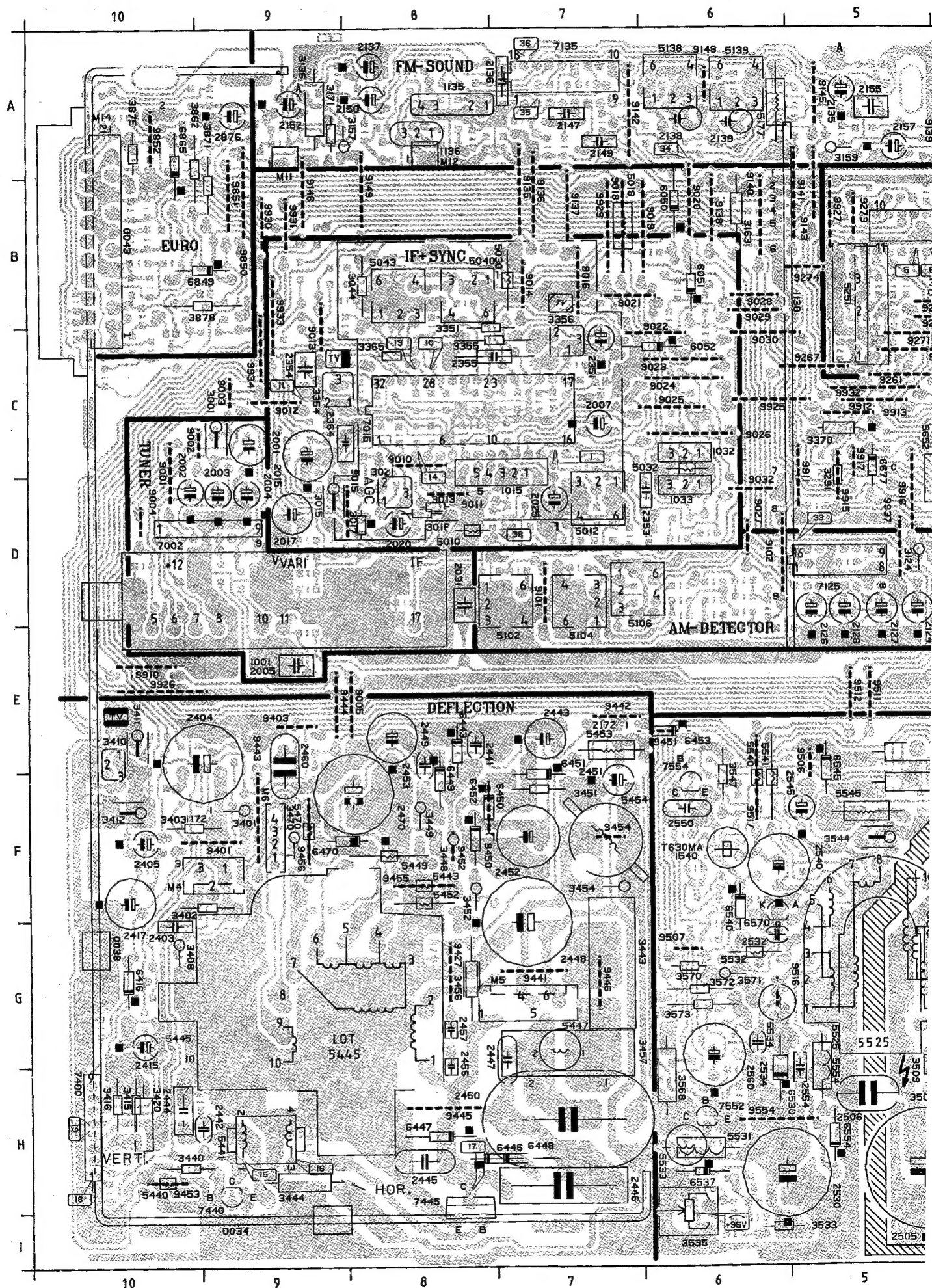


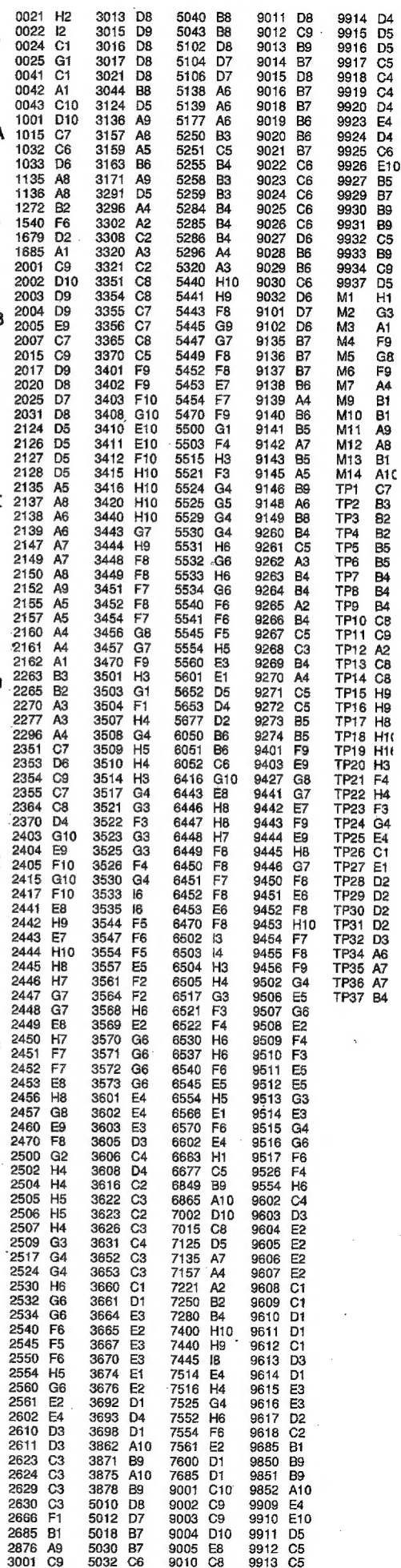
Fig. 5



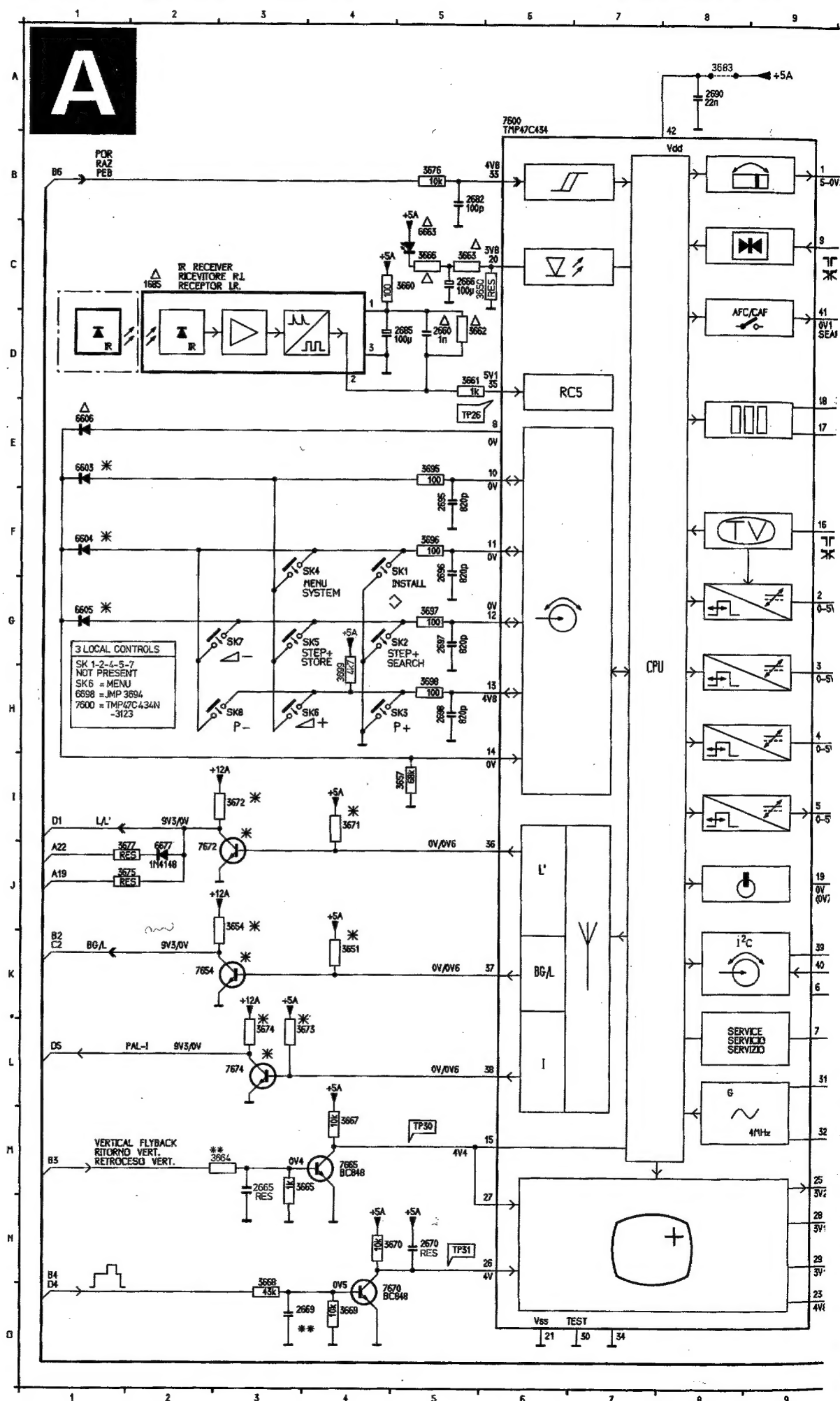






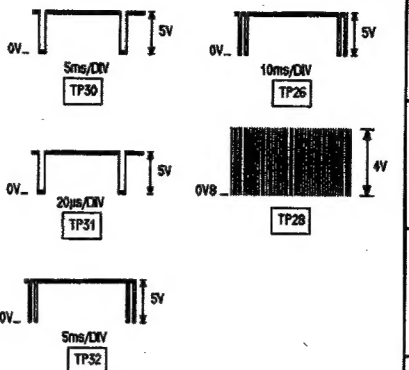
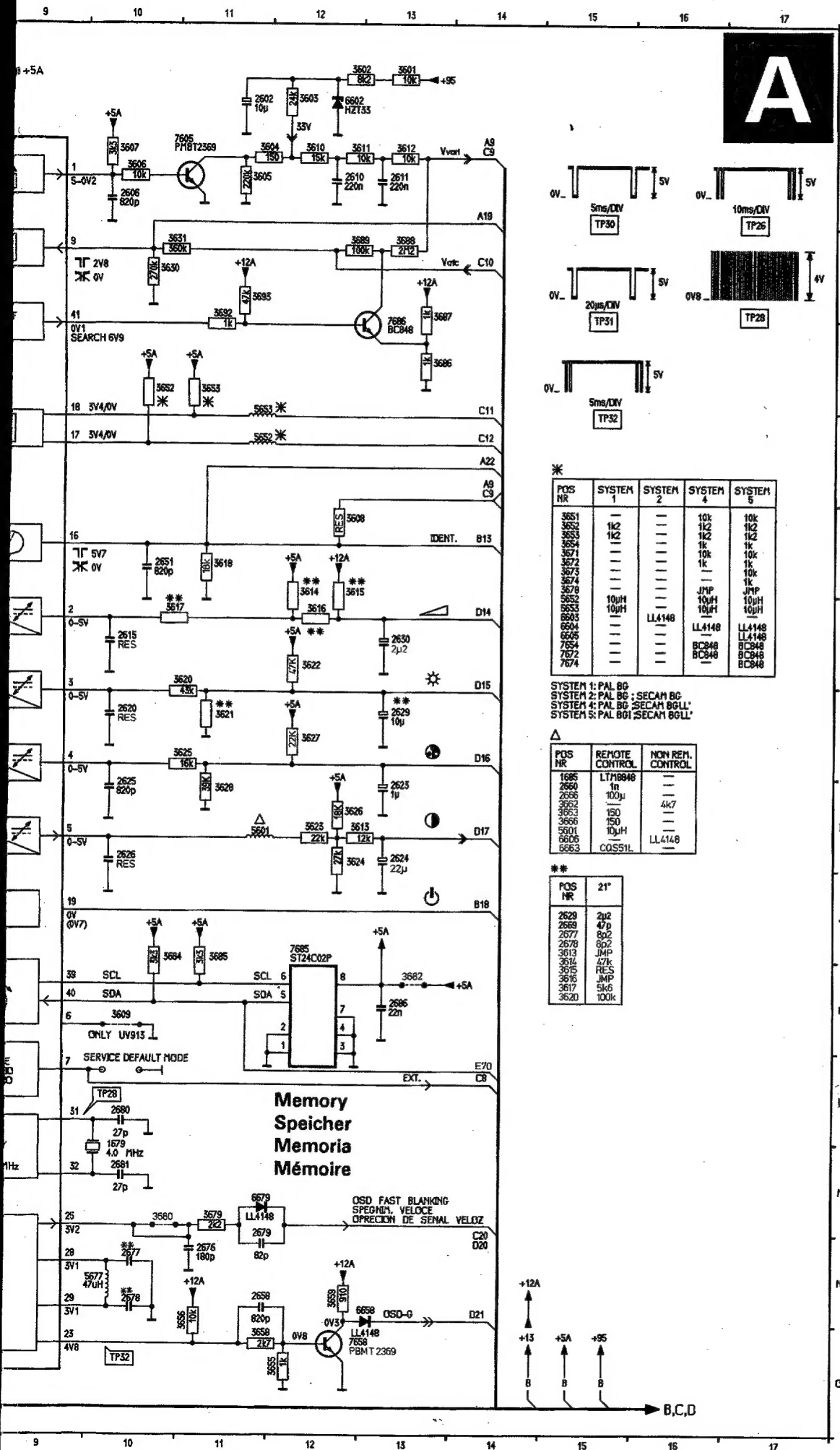








## 6.2 ANUBIS A



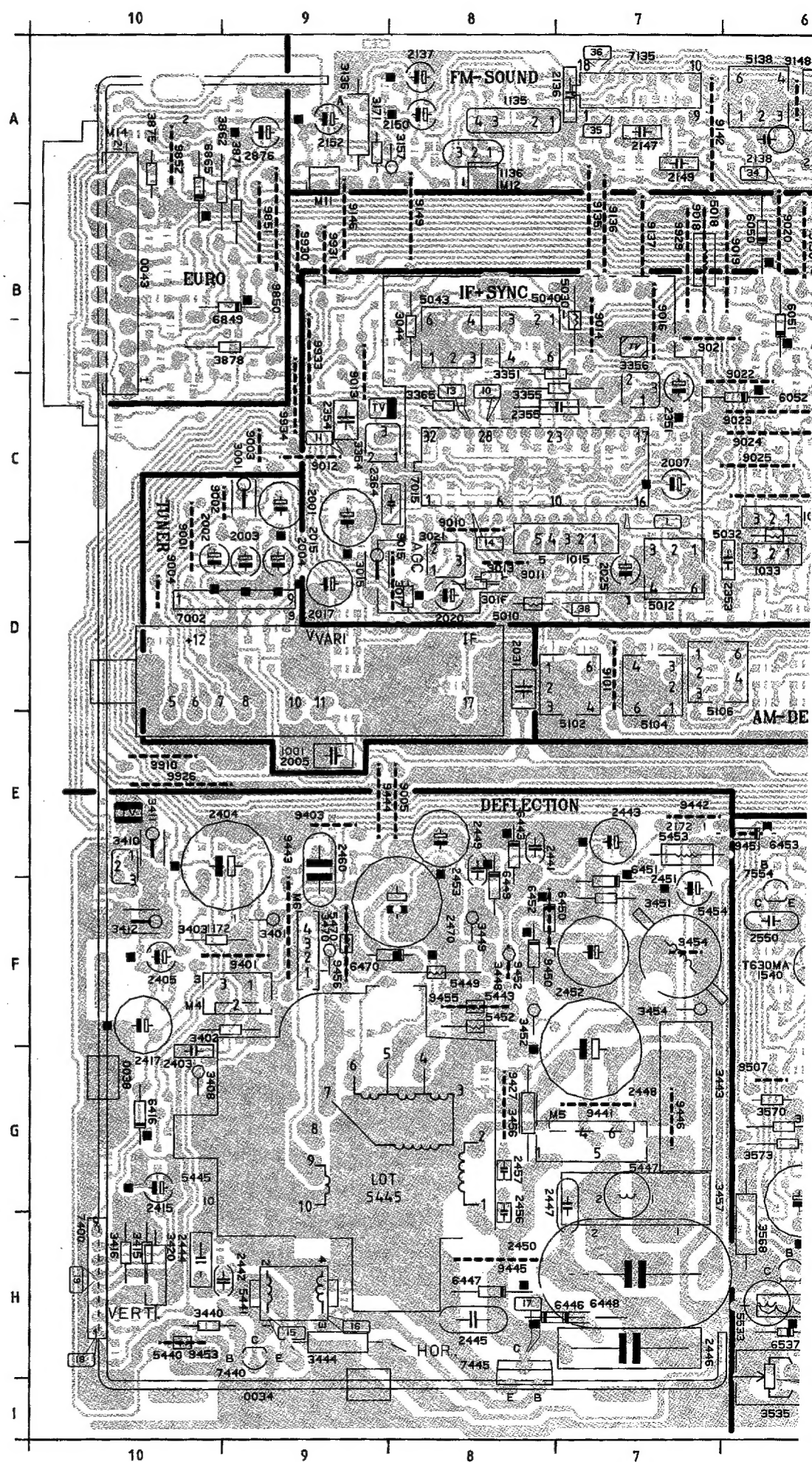
POS NR	SYSTEM 1	SYSTEM 2	SYSTEM 4	SYSTEM 5
3551	—	—	10k	10k
3552	1k2	—	1k2	1k2
3553	1k2	—	1k2	1k2
3554	—	—	1k	1k
3571	—	—	10k	10k
3572	—	—	1k	1k
3573	—	—	10k	10k
3574	—	—	1k	1k
3575	—	—	10k	10k
3576	—	—	JMP	JMP
3577	—	—	JMP	JMP
3578	—	—	10µH	10µH
3579	—	—	10µH	10µH
3580	—	—	LL4148	LL4148
3581	—	—	LL4148	LL4148
3582	—	—	BC848	BC848
3583	—	—	BC848	BC848
3584	—	—	BC848	BC848
3585	—	—	BC848	BC848
3586	—	—	BC848	BC848
3587	—	—	BC848	BC848
3588	—	—	BC848	BC848
3589	—	—	BC848	BC848
3590	—	—	BC848	BC848
3591	—	—	BC848	BC848
3592	—	—	BC848	BC848
3593	—	—	BC848	BC848
3594	—	—	BC848	BC848
3595	—	—	BC848	BC848
3596	—	—	BC848	BC848
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3598	—	—	BC848	BC848
3599	—	—	BC848	BC848
3600	—	—	BC848	BC848
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3603	—	—	BC848	BC848
3604	—	—	BC848	BC848
3605	—	—	BC848	BC848
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3677	—	—	BC848	BC848
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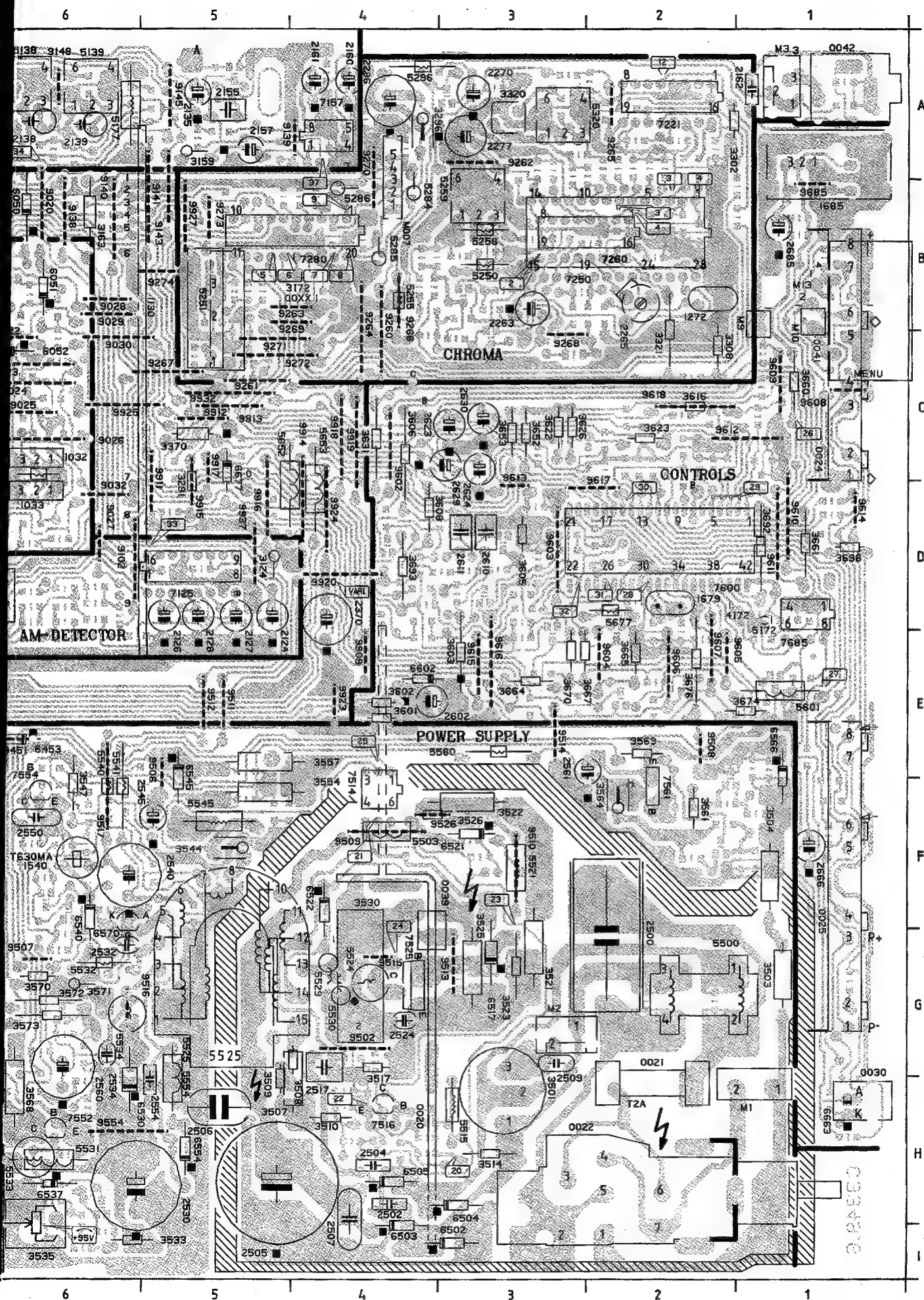
SYSTEM 1: PAL BG  
SYSTEM 2: PAL BG; SECAM BG  
SYSTEM 4: PAL BG; SECAM BG11  
SYSTEM 5: PAL BG; SECAM BG11

POS NR	REMOTE CONTROL	NON REM. CONTROL
1685	LTH8848	—
2660	1n	—
2661	100µ	—
2662	—	4k7
2663	150	—
2664	150	—
2665	10µH	—
2666	—	LL4148
2667	—	—
2668	—	—
2669	—	—
2670	—	—
2671	—	—
2672	—	—
2673	—	—
2674	—	—
2675	—	—
2676	—	—
2677	—	—
2678	—	—
2679	—	—
2680	—	—
2681	—	—
2682	—	—
2683	—	—
2684	—	—
2685	—	—
2686	—	—
2687	—	—
2688	—	—
2689	—	—
2690	—	—
2691	—	—
2692	—	—
2693	—	—
2694	—	—
2695	—	—
2696	—	—
2697	—	—
2698	—	—
2699	—	—
2700	—	—

POS NR	21"
2629	2µ
2630	47p
2631	82
2632	82p
2633	JMP
2634	47k
2635	RES
2636	JMP
2637	5k6
2638	100k

SK1	F4	3688	C13
SK2	G4	3689	C12
SK3	H4	3690	C5
SK4	F3	3692	C11
SK5	G3	3693	C11
SK6	H3	3695	E5
SK7	G3	3696	F5
SK8	H3	3697	G5
1679	M10	3698	H5
1685	C2	3699	H4
2602	A11	4MHz	M9
2606	B10	5601	I11
2610	B12	5652	E11
2611	B13	5653	E11
2615	G10	5677	N10
2620	H10	6602	A12
2623	I13	6603	E1
2624	I13	6604	F1
2625	I10	6605	G1
2626	I10	6606	E1
2629	H13	6658	N13
2630	G13	6663	C5
2651	F10	6677	J2
2658	N11	6679	M11
2660	D5	7600	A6
2665	N3	7605	B10
2666	C5	7654	K2
2669	O3	7658	O12
2670	N5	7665	M4
2676	N11	7670	O4
2677	N10	7672	J3
2678	N10	7674	J12
2679	N11	7685	J12
2680	L10	7686	D13
2681	M10		
2682	B5		
2685	D4		
2686	K13		
2690	A8		
2695	F5		
2696	F5		
2697	G5		
2698	H5		
3601	A13		
3602	A12		
3603	A12		
3604	B11		
3605	B11		
3606	B10		
3607	B10		







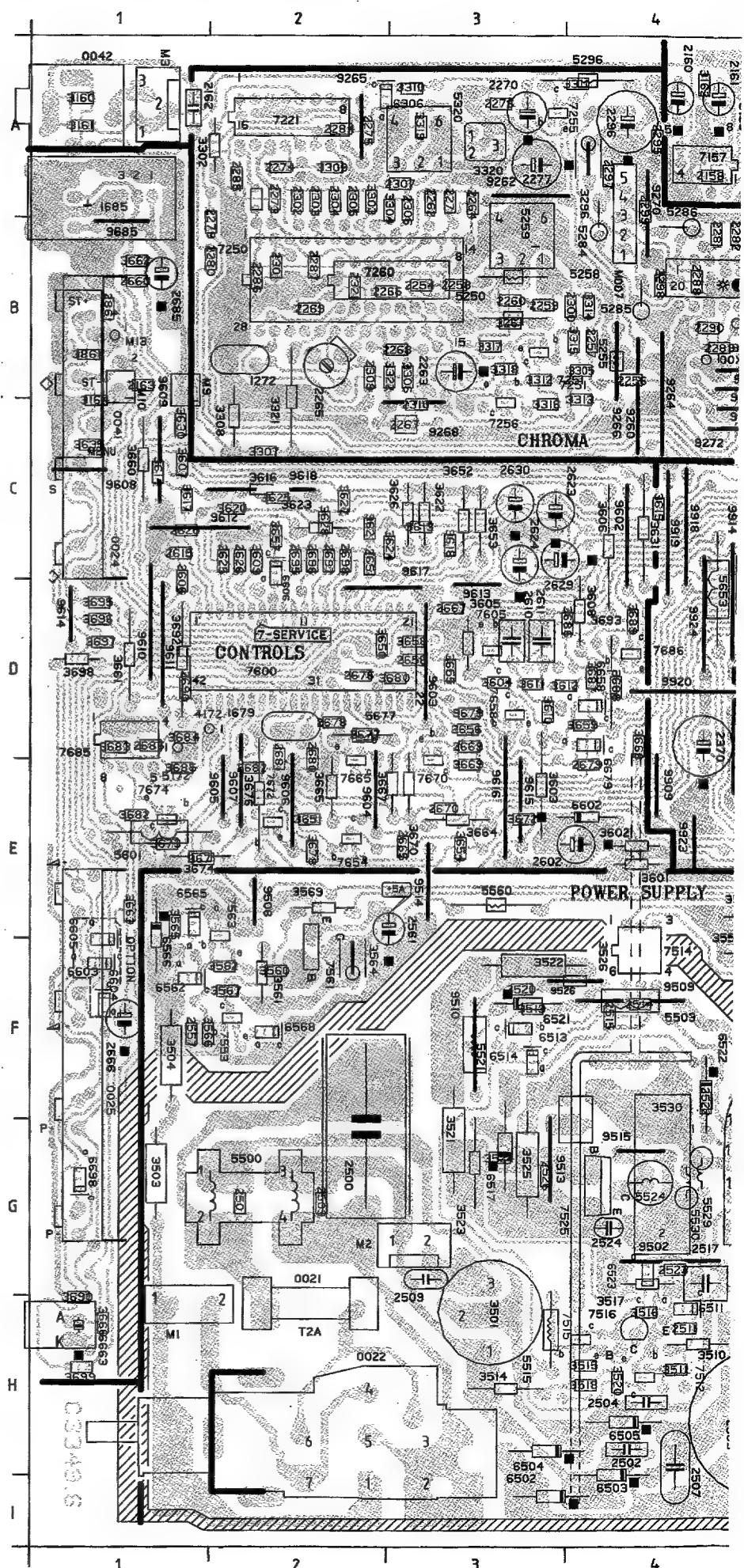
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0024 C1	3016 D8	5102 D8	9013 B9	9916 D5
0025 G1	3017 D8	5104 D7	9014 B7	9917 C5
0041 C1	3021 D8	5106 D7	9015 D8	9918 C4
0042 A1	3044 B8	5138 A6	9016 B7	9919 C4
0043 C10	3124 D5	5139 A6	9018 B7	9920 D4
1001 D10	3136 A9	5177 A6	9019 B6	9923 E4
1015 C7	3157 A8	5250 B3	9020 B6	9924 D4
1032 C6	3159 A5	5251 C5	9021 B7	9925 C6
1033 D6	3163 B6	5255 B4	9022 C6	9926 E10
1135 A8	3171 A9	5258 B3	9023 C6	9927 B5
1136 A8	3291 D5	5259 B3	9024 C6	9929 B7
1272 B2	3296 A4	5284 B4	9025 C6	9930 B9
1540 F6	3302 A2	5285 B4	9026 C6	9931 B9
1679 D2	3308 C2	5286 B4	9027 D6	9932 C5
1685 A1	3320 A3	5296 A4	9028 B6	9933 B9
2001 C9	3321 C2	5320 A3	9029 B6	9934 C9
2002 D10	3351 C8	5440 H10	9030 C6	9937 D5
2003 D9	3354 C8	5441 H9	9032 D6	M1 H1
2004 D9	3355 C7	5443 F8	9101 D7	M2 G3
2005 E9	3356 C7	5445 G9	9102 D6	M3 A1
2007 C7	3365 C8	5447 G7	9135 B7	M4 F9
2015 C9	3370 C5	5449 F8	9136 B7	M5 G8
2017 D9	3401 F9	5452 F8	9137 B7	M6 F9
2020 D8	3402 F9	5453 E7	9138 B6	M7 A4
2025 D7	3403 F10	5454 F7	9139 A4	M9 B1
2031 D8	3408 G10	5470 F9	9140 B6	M10 B1
2124 D5	3410 E10	5500 G1	9141 B5	M11 A9
2126 D5	3411 E10	5503 F4	9142 A7	M12 A8
2127 D5	3412 F10	5515 H3	9143 B5	M13 B1
2128 D5	3415 H10	5521 F3	9145 A5	M14 A10
2135 A5	3416 H10	5524 G4	9146 B9	TP1 C7
2137 A8	3420 H10	5525 G5	9148 A6	TP2 B3
2138 A6	3440 H10	5529 G4	9149 B8	TP3 B2
2139 A6	3443 G7	5530 G4	9260 B4	TP4 B2
2147 A7	3444 H9	5531 H6	9261 C5	TP5 B5
2149 A7	3448 F8	5532 G6	9262 A3	TP6 B5
2150 A8	3449 F8	5533 H6	9263 B4	TP7 B4
2152 A9	3451 F7	5534 G6	9264 B4	TP8 B4
2155 A5	3452 F8	5540 F6	9265 A2	TP9 B4
2157 A5	3454 F7	5541 F6	9266 B4	TP10 C8
2160 A4	3458 G8	5545 F5	9267 C5	TP11 C9
2161 A4	3457 G7	5554 H5	9268 C3	TP12 A2
2162 A1	3470 F9	5560 E3	9269 B4	TP13 C8
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2270 A3	3504 F1	5653 D4	9272 C5	TP16 H9
2277 A3	3507 H4	5677 D2	9273 B5	TP17 H8
2296 A4	3508 G4	6050 B6	9274 B5	TP18 H10
2351 C7	3509 H5	6051 B6	9401 F9	TP19 H10
2353 D6	3510 H4	6052 C6	9403 E9	TP20 H3
2354 C9	3514 H3	6416 G10	9427 G8	TP21 F4
2355 C7	3517 G4	6443 E9	9441 G7	TP22 H4
2364 C8	3521 G3	6446 H8	9442 E7	TP23 F3
2370 D4	3522 F3	6447 H8	9443 F9	TP24 G4
2403 G10	3523 G3	6448 H7	9444 E9	TP25 E4
2404 E9	3525 G3	6449 F8	9445 H8	TP26 C1
2405 F10	3526 F4	6450 F8	9446 G7	TP27 E1
2415 G10	3530 G4	6451 F7	9450 F8	TP28 D2
2417 F10	3533 I6	6452 F8	9451 E6	TP29 D2
2441 E8	3535 I6	6453 E8	9452 F8	TP30 D2
2442 H9	3544 F5	6470 F8	9453 H10	TP31 D2
2443 E7	3547 F6	6502 I3	9454 F7	TP32 D3
2444 H10	3554 F5	6503 I4	9455 F8	TP34 A6
2445 H8	3557 E5	6504 H3	9456 F9	TP35 A7
2446 H7	3561 F2	6505 H4	9502 G4	TP36 A7
2447 G7	3564 F2	6517 G3	9506 E5	TP37 B4
2448 G7	3568 H6	6521 F3	9507 G6	
2449 E8	3569 E2	6522 F4	9508 E2	
2450 H7	3570 G6	6530 H6	9509 F4	
2451 F7	3571 G6	6537 H6	9510 F3	
2452 F7	3572 G6	6540 F6	9511 E5	
2453 E8	3573 G6	6545 E5	9512 E5	
2456 H8	3601 E4	6554 H5	9513 G3	
2457 G8	3602 E4	6566 E1	9514 E3	
2460 E9	3603 E3	6570 F6	9515 G4	
2470 F8	3605 D3	6602 E4	9516 G6	
2500 G2	3606 C4	6663 H1	9517 F8	
2502 H4	3608 D4	6677 C5	9526 F4	
2504 H4	3616 C2	6849 B9	9554 H6	
2505 H5	3622 C3	6865 A10	9602 C4	
2506 H5	3623 C2	7002 D10	9603 D3	
2507 H4	3626 C3	7015 C8	9604 E2	
2509 G3	3631 C4	7125 D5	9605 E2	
2517 G4	3652 C3	7135 A7	9606 E2	
2524 G4	3653 C3	7157 A4	9607 E2	
2530 H6	3660 C1	7221 A2	9608 C1	
2532 G6	3661 D1	7250 B2	9609 C1	
2534 G6	3664 E3	7280 B4	9610 D1	
2540 F6	3665 E2	7400 H10	9611 D1	
2545 F5	3667 E3	7440 H9	9612 C1	
2550 F6	3670 E3	7445 I8	9613 D3	
2554 H5	3674 E1	7514 E4	9614 D1	
2560 G6	3676 E2	7516 H4	9615 E3	
2561 E2	3682 D1	7525 G4	9616 E3	
2602 E4	3693 D4	7552 H6	9617 D2	
2610 D3	3698 D1	7554 F6	9618 C2	
2611 D3	3682 A10	7561 E2	9685 B1	
2623 C3	3871 B9	7600 D1	9850 B9	
2624 C3	3875 A10	7685 D1	9851 B9	
2629 C3	3878 B9	9001 C10	9852 A10	
2630 C3	5010 D8	9002 C9	9909 E4	
2666 F1	5012 D7	9003 C9	9910 E10	
2685 B1	5018 B7	9004 D10	9911 D5	
2876 A9	5030 B7	9005 E6	9912 C5	
3001 C9	5032 C6	9010 C8	9913 C5	

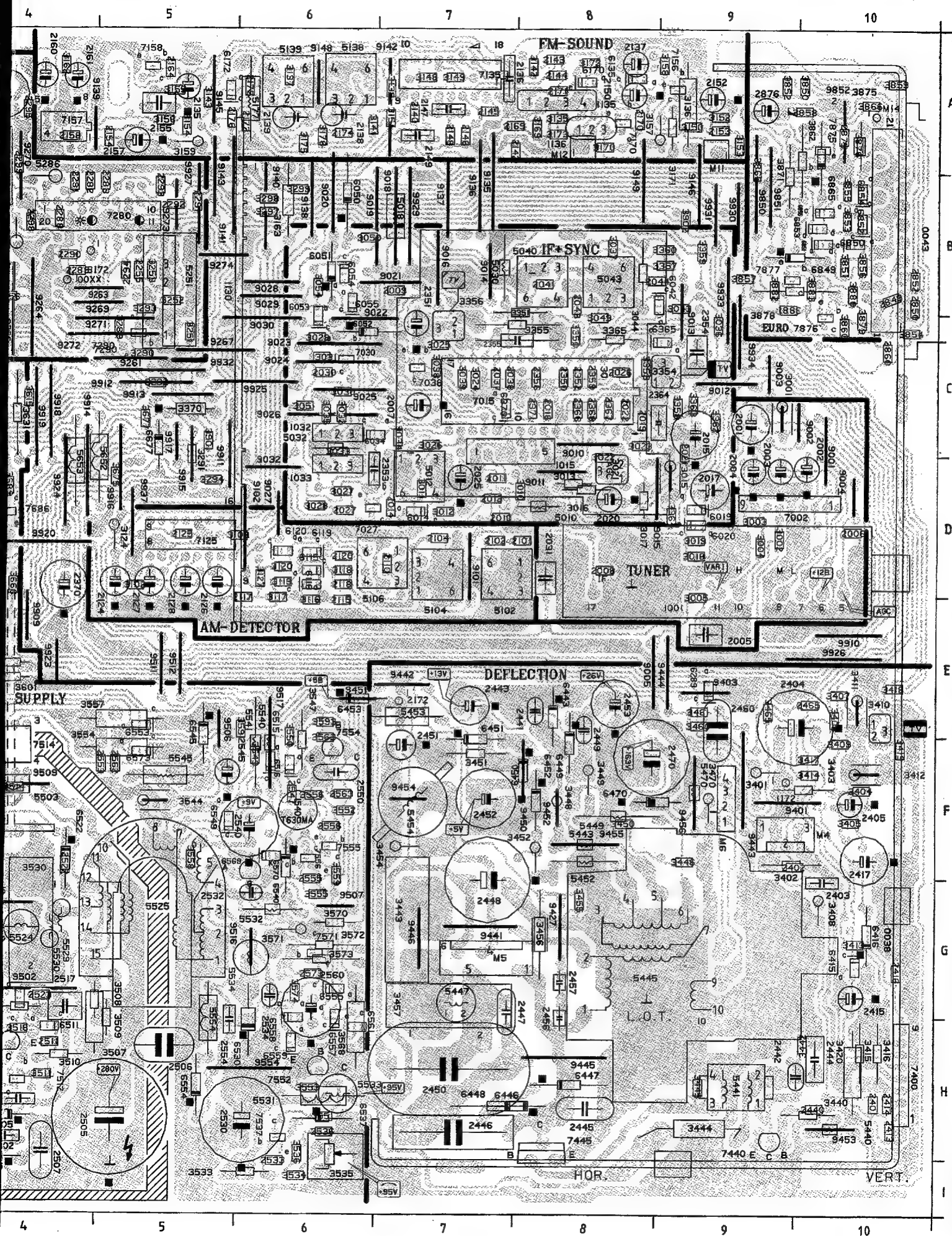


## Monocarrier / Hauptplatine / Châssis

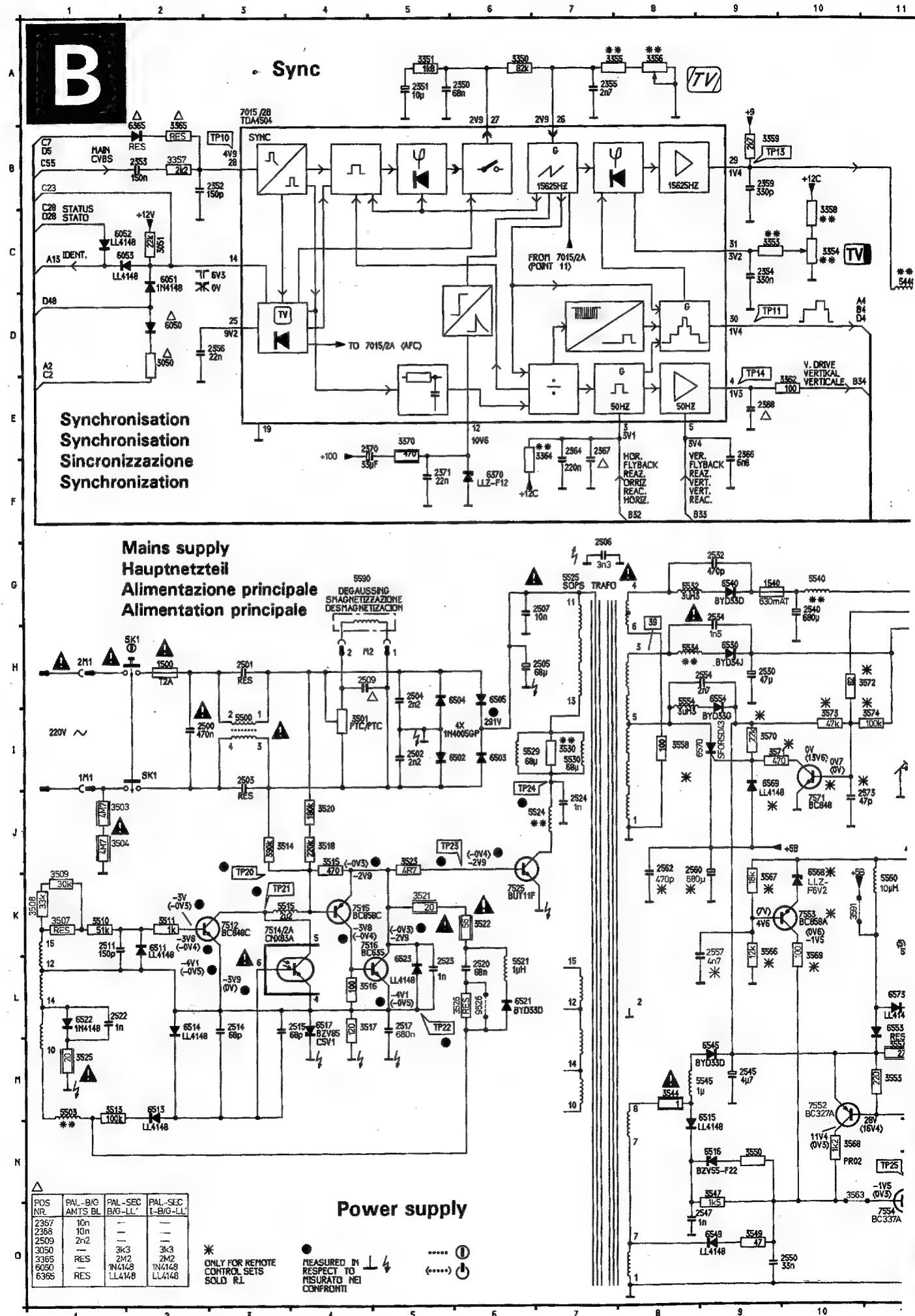
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0022 I2	2271 A3	2547 F6	3143 A5	3455 G8	3664 E3
0024 C1	2272 A2	2550 F6	3148 A7	3456 G8	3665 E2
0025 G1	2273 A2	2553 F5	3149 A7	3457 G7	3666 H1
0041 C1	2274 A2	2554 H5	3150 A9	3460 E9	3667 E3
0042 A1	2275 A2	2555 F6	3151 A7	3461 E9	3668 D4
0043 C10	2276 A3	2556 F6	3152 A9	3465 E9	3669 E3
1001 D10	2277 A3	2557 F1	3153 A9	3470 F9	3670 E3
1015 C7	2279 B1	2560 G6	3154 A5	3501 H3	3671 E1
1032 C6	2280 B1	2561 E2	3155 A5	3503 G1	3672 E3
1033 D6	2281 B4	2562 F5	3156 A5	3504 F1	3673 E1
1135 A8	2282 B4	2563 F6	3157 A8	3507 H4	3674 E1
1136 A8	2283 B5	2573 G6	3158 A9	3508 G4	3675 D5
1272 B2	2284 A2	2602 E4	3159 A5	3509 H5	3676 E2
1540 F6	2285 A2	2606 C1	3160 B1	3510 H4	3677 C5
1679 D2	2286 B2	2610 D3	3161 A1	3511 H4	3678 E2
1685 A1	2287 B2	2611 D3	3162 A4	3513 F3	3679 D3
2001 C9	2288 B4	2615 C1	3163 B6	3514 H3	3680 D3
2002 D10	2289 B4	2620 C1	3164 A1	3515 H4	3682 E1
2003 D9	2290 B4	2623 C3	3169 A8	3516 H4	3683 D1
2004 D9	2291 B5	2624 C3	3170 A8	3517 G4	3684 D1
2005 E9	2292 B5	2625 C2	3171 A9	3518 H4	3685 E1
2006 D10	2293 B5	2626 C2	3172 A8	3520 H4	3688 D3
2007 C7	2294 B5	2629 C3	3173 A8	3521 G3	3687 D4
2008 D8	2295 A4	2630 C3	3175 A6	3522 F3	3688 D4
2009 B7	2296 A4	2651 C2	3176 A6	3523 G3	3689 D4
2010 D7	2297 A4	2658 D3	3251 C5	3524 G3	3690 G1
2011 D7	2298 B4	2660 B1	3252 B5	3525 G3	3692 D1
2013 D7	2299 A4	2665 E3	3253 B5	3526 F4	3693 D4
2014 D7	2300 B3	2666 F1	3261 B3	3530 G4	3695 D1
2015 C9	2301 B2	2667 D3	3289 C5	3533 I6	3696 D1
2016 C8	2302 A2	2669 D3	3290 C5	3534 I6	3697 D1
2017 D9	2303 A2	2670 E3	3291 D5	3535 I6	3698 D1
2019 C8	2304 A2	2676 D2	3292 C5	3536 H6	3699 H1
2020 D8	2305 A2	2677 D2	3293 B5	3544 F5	3650 A10
2021 C9	2306 A3	2678 D2	3294 D5	3547 F6	3651 B10
2022 C8	2307 A3	2679 E4	3296 A4	3549 F6	3652 A9
2025 D7	2309 B2	2680 D2	3297 B6	3550 E6	3653 B10
2026 C8	2310 C3	2681 D2	3298 B6	3551 H6	3654 C10
2027 D6	2321 B2	2682 E2	3299 B6	3552 F6	3655 B10
2030 C6	2350 C8	2685 B1	3302 A2	3553 H6	3656 B10
2031 D8	2351 C7	2686 D1	3303 A2	3554 F5	3657 B9
2037 C7	2352 C8	2690 D1	3304 A2	3555 G6	3658 A10
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2041 B8	2354 C9	2696 C2	3306 B3	3557 E5	3660 C10
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2044 B8	2356 C8	2698 C2	3308 C2	3559 F6	3662 A10
2101 D8	2359 C8	2849 B10	3309 A2	3560 F2	3665 A9
2102 D7	2364 C8	2850 B10	3310 A3	3561 F2	3666 A10
2104 D7	2366 C8	2852 B10	3311 A4	3562 F2	3671 B9
2110 D7	2367 C8	2860 C10	3312 B3	3563 E6	3675 A10
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2117 D6	2370 D4	2875 A10	3314 B4	3565 E1	3678 B9
2118 D6	2371 C8	2876 A9	3315 B4	3566 F1	3679 C10
2120 D6	2401 H10	3001 C9	3316 C3	3567 F2	3680 B10
2124 D5	2402 F9	3002 D9	3317 B3	3568 H6	3681 B9
2125 D5	2403 G10	3003 D9	3318 B3	3569 E2	3682 B9
2126 D5	2404 E9	3004 D9	3319 A3	3570 G6	3683 B10
2127 D5	2405 F10	3005 D9	3320 A3	3571 G6	3901 C5
2128 D5	2413 H10	3010 D7	3321 C2	3572 G6	3902 B9
2135 A5	2414 H10	3011 D7	3322 B2	3573 G6	5010 D8
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2139 A6	2417 F10	3015 D9	3353 C8	3593 E6	5030 B7
2140 A7	2440 H10	3016 D8	3354 C8	3601 E4	5032 C6
2142 A7	2441 E8	3017 D8	3355 C7	3602 E4	5040 B8
2143 A8	2442 H9	3018 D9	3356 C7	3603 E3	5043 B8
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2148 A7	2447 G7	3024 C7	3362 C9	3608 D4	5139 A6
2149 A7	2448 G7	3025 C7	3363 C9	3609 C2	5177 A6
2150 A8	2449 E8	3026 C7	3364 D9	3610 D3	5250 B3
2152 A9	2450 H7	3027 D6	3365 C8	3611 D3	5251 C5
2153 A9	2451 F7	3028 D6	3370 C5	3612 D3	5255 B4
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2155 A5	2453 E8	3030 C6	3402 F9	3614 C1	5259 B3
2157 A5	2456 H8	3031 C6	3403 F10	3615 C4	5284 B4
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2160 A4	2460 E9	3033 C6	3405 F10	3617 C1	5286 B4
2161 A4	2465 E10	3034 C7	3406 E10	3618 C3	5296 A4
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2163 B1	2500 G2	3036 C9	3408 G10	3621 C2	5440 H10
2164 A5	2501 G2	3037 B8	3409 F10	3622 C3	5441 H9
2169 A7	2502 H4	3038 C7	3410 E10	3623 C2	5443 F8
2170 A8	2503 G2	3039 C7	3411 E10	3624 C2	5445 G9
2171 A8	2504 H4	3043 B9	3412 F10	3625 C2	5447 G7
2172 A6	2505 H5	3044 B8	3413 G10	3626 C3	5449 F8
2174 A6	2506 H5	3049 C8	3414 F10	3627 C2	5452 F8
2175 A6	2507 H4	3050 B6	3415 H10	3628 C2	5453 E7
2176 A5	2509 G3	3051 C6	3416 H10	3630 C1	5454 F7
2254 B3	2511 H4	3054 B6	3417 F10	3631 C4	5470 F9
2255 B5	2514 F4	3102 D5	3418 E10	3635 C1	5500 G1
2256 B4	2515 F4	3103 D5	3419 F10	3650 D2	5503 F4
2257 B4	2517 G4	3116 E6	3420 H10	3651 E2	5515 H3
2258 B3	2520 F3	3117 D6	3440 H10	3652 C3	5521 F3
2259 B3	2522 F4	3118 D6	3442 H10	3653 C3	5524 G4
2260 B3	2523 G4	3119 D6	3443 G7	3654 E3	5525 G5
2262 A3	2524 G4	3120 D6	3444 H9	3655 D3	5529 G4
2263 B3	2526 G3	3124 D5	3445 H9	3656 D3	5530 G4
2264 A3	2530 H6	3127 D6	3446 F9	3657 C2	5531 H6
2265 B2	2532 G6	3135 A8	3448 F8	3658 D3	5532 G6
2266 B2	2533 I6	3136 A9	3449 F8	3659 D4	5533 H6
2267 C3	2534 G6	3137 A6	3450 F8	3660 C1	5534 G6
2268 B3	2536 H6	3138 A7	3451 F7	3661 D1	5540 F6
2269 B2	2540 F6	3141 A6	3452 F8	3662 B1	5541 F6

363 E1	5545 F5	7280 B4	9508 E2
364 E3	5554 H5	7290 C5	9509 F4
365 E2	5560 E3	7400 H10	9510 F3
366 H1	5601 E1	7440 H9	9511 E5
367 E3	5652 D5	7445 I8	9512 E5
368 D4	5653 D4	7512 H4	9513 G3
369 E3	5677 D2	7514 E4	9514 E3
370 E3	6014 D7	7515 H4	9515 G4
371 E1	6019 D9	7516 H4	9516 G6
372 E3	6020 D9	7525 G4	9517 F6
373 E1	6034 C6	7537 H6	9526 F4
374 E1	6042 B8	7552 H6	9554 H6
375 D5	6050 B6	7553 F2	9602 C4
376 E2	6051 B6	7554 F6	9603 D3
377 C5	6052 C6	7555 F6	9604 E2
378 E2	6053 C6	7556 F6	9605 E2
379 D3	6054 B6	7561 E2	9606 E2
380 D3	6055 B6	7563 E2	9607 E2
382 E1	6115 D6	7571 G6	9608 C1
383 D1	6116 D6	7600 D1	9609 C1
384 D1	6119 D6	7605 D3	9610 D1
385 E1	6120 D6	7654 E2	9611 D1
386 D3	6135 A8	7658 D3	9612 C1
387 D4	6170 A8	7665 D2	9613 D3
388 D4	6172 A5	7670 D3	9614 D1
389 D4	6289 E9	7672 E2	9615 E3
390 G1	6306 A2	7674 E1	9616 E3
392 D1	6365 C8	7685 D1	9617 D2
393 D4	6370 C7	7686 D4	9618 C2
395 D1	6415 G10	7875 A10	9685 B1
396 D1	6416 G10	7876 C10	9850 B9
397 D1	6443 E8	7877 B9	9851 B9
398 D1	6446 H8	9001 C10	9852 A10
399 H1	6447 H8	9002 C9	9909 E4
3850 A10	6448 H7	9003 C9	9910 E10
3851 B10	6449 F8	9004 D10	9911 D5
3852 A9	6450 F8	9005 E8	9912 C5
3853 B10	6451 F7	9010 C8	9913 C5
3854 C10	6452 F8	9011 D8	9914 D4
3855 B10	6453 E6	9012 C9	9915 D5
3856 B10	6470 F8	9013 B9	9916 D5
3857 B9	6502 I3	9014 B7	9917 C5
3858 A10	6503 I4	9015 D8	9918 C4
3859 A10	6504 H3	9016 B7	9919 C4
3860 C10	6505 H4	9018 B7	9920 D4
3861 B1	6511 H4	9019 B6	9923 E4
3862 A10	6513 F3	9020 B6	9924 D4
3865 A9	6514 F3	9021 B7	9925 C6
3866 A10	6515 F6	9022 C6	9926 E10
3871 B9	6516 F8	9023 C6	9927 B5
3875 A10	6517 G3	9024 C6	9929 B7
3876 A10	6521 F3	9025 C6	9930 B9
3878 B9	6522 F4	9026 C6	9931 B9
3879 C10	6523 G4	9027 D6	9932 C5
3880 B10	6530 H6	9028 B6	9933 B9
3881 B9	6537 H6	9029 B6	9934 C9
3882 B9	6540 F6	9030 C6	9937 D5
3883 B10	6545 E5	9032 D6	M1 H1
3901 C5	6549 F5	9101 D7	M2 G3
3902 B9	6553 E5	9102 D6	M3 A1
5010 D8	6554 H5	9135 B7	M4 F9
5012 D7	6555 G6	9136 B7	M5 G8
5018 B7	6557 G6	9137 B7	M6 F9
5030 B7	6558 G6	9138 B6	M7 A4
5032 C6	6559 H6	9139 A4	M9 B1
5040 B8	6561 H8	9140 B6	M10 B1
5043 B8	6562 F1	9141 B5	M11 A9
5102 D8	6565 E1	9142 A7	M12 A8
5104 D7	6566 E1	9143 B5	M13 B1
5106 D7	6568 F2	9145 A5	M14 A10
5138 A6	6569 F6	9146 B9	TP1 C7
5139 A6	6570 F6	9148 A6	TP2 B3
5177 A6	6573 F5	9149 B8	TP3 B2
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5251 C5	6603 F1	9261 C5	TP5 B5
5255 B4	6604 F1	9262 A3	TP6 B5
5258 B3	6605 E1	9263 B4	TP7 B4
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5285 B4	6663 H1	9266 B4	TP10 C8
5286 B4	6677 C5	9267 C5	TP11 C9
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5320 A3	6698 G1	9269 B4	TP13 C8
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5445 G9	6852 B10	9273 B5	TP17 H8
5447 G7	6853 B10	9274 B5	TP18 H10
5449 F8	6854 B10	9401 F9	TP19 H10
5452 F8	6855 B10	9403 E9	TP20 H3
5453 E7	6865 A10	9427 G8	TP21 F4
5454 F7	7002 D10	9441 G7	TP22 H4
5470 F9	7015 C8	9442 E7	TP23 F3
5500 G1	7027 D6	9443 F9	TP24 G4
5503 F4	7030 C6	9444 E9	TP25 E4
5515 H3	7038 C7	9445 H8	TP26 C1
5521 F3	7125 D5	9446 G7	TP27 E1
5524 G4	7135 A7	9450 F8	TP28 D2
5525 G5	7156 A9	9451 E6	TP29 D2
5529 G4	7157 A4	9452 F8	TP30 D2
5530 G4	7158 A5	9453 H10	TP31 D2
5531 H6	7170 A8	9454 F7	TP32 D3
5532 G6	7221 A2	9455 F8	TP34 A6
5533 H6	7250 B2	9456 F9	TP35 A7
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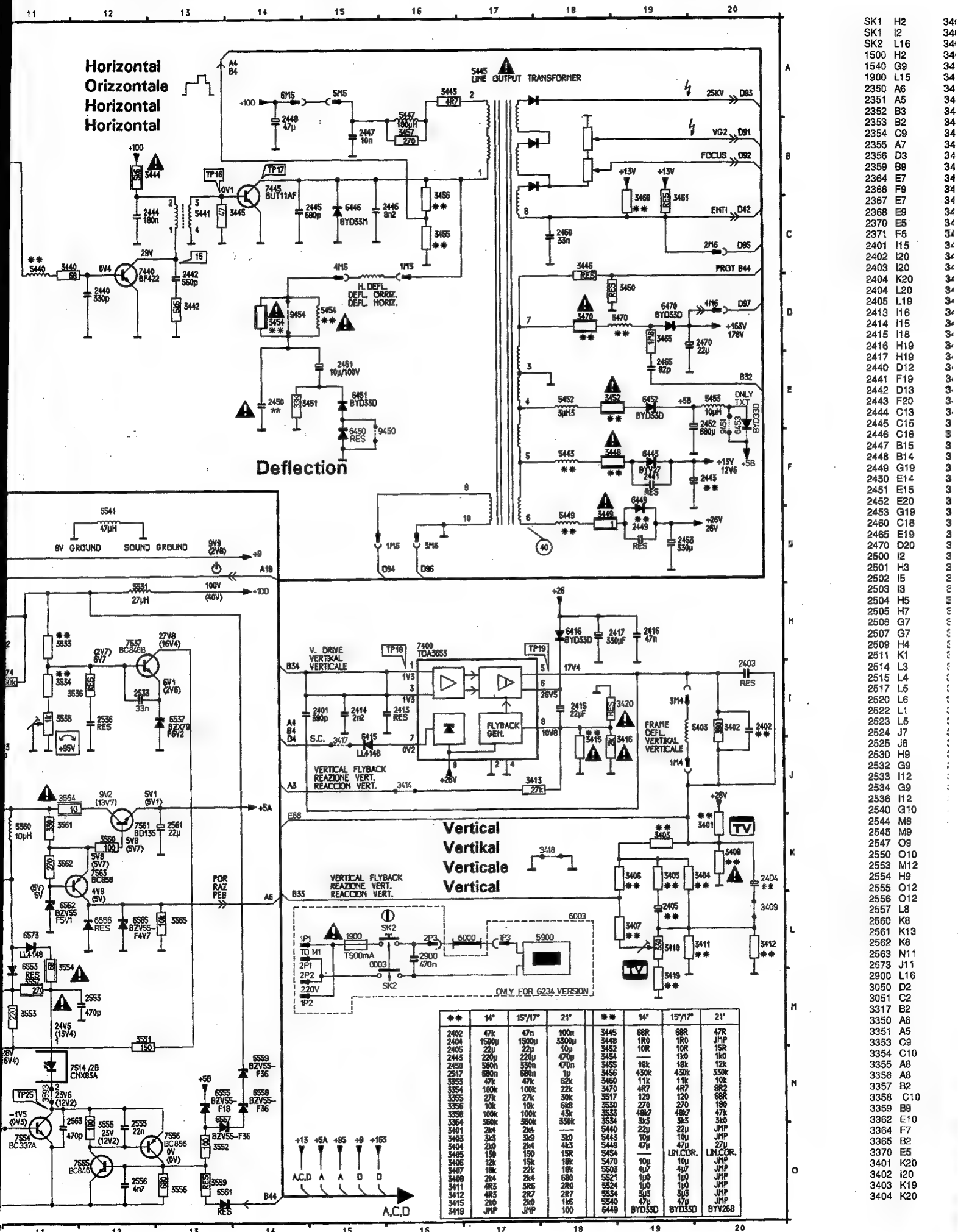








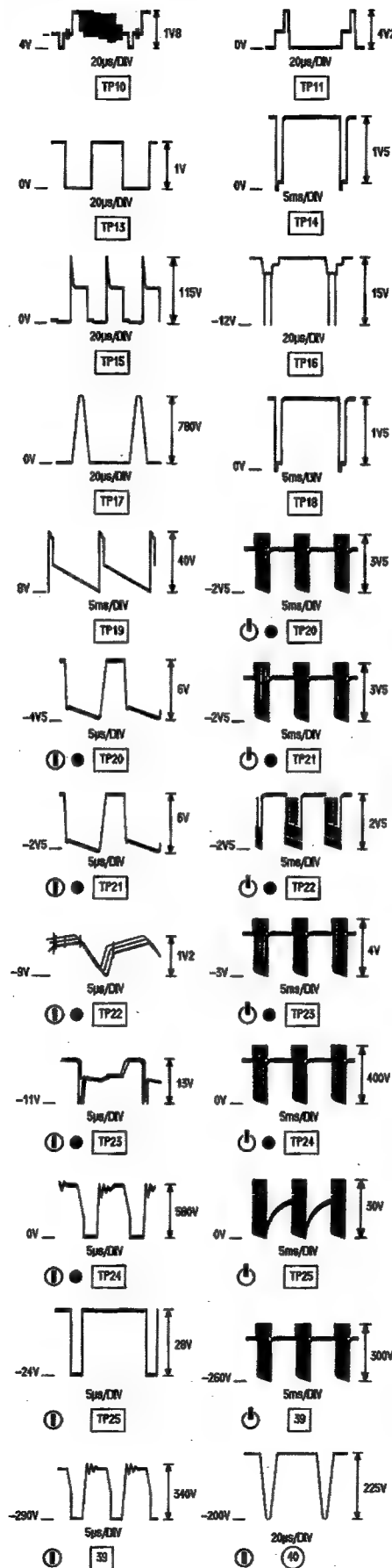




# Synchronisation

ANUBIS A 6.11

SK1 H2	3405 K19	5524 J7
SK1 I2	3406 K19	5525 G7
SK2 L16	3407 L19	5529 H6
1500 H2	3408 K20	5530 I7
1540 G9	3409 L20	5531 H12
1900 L15	3410 L19	5532 G8
2350 A6	3411 L20	5534 H8
2351 A5	3412 L20	5540 G10
2352 B3	3413 J17	5541 G12
2353 B2	3414 J16	5545 M9
2354 C9	3415 J18	5554 H8
2355 A7	3416 J19	5560 K11
2356 D3	3417 J15	5900 L18
2359 B9	3418 K18	6000 L17
2364 E7	3419 M19	6003 L18
2366 F9	3440 C11	6050 D2
2367 E7	3442 D13	6051 C2
2368 E9	3443 A16	6052 C2
2370 E5	3444 B13	6053 C2
2371 F5	3445 C14	6365 B2
2401 I15	3446 C18	6370 F6
2402 I20	3447 A16	6415 J15
2403 I20	3448 F19	6416 H18
2404 K20	3449 G18	6443 H19
2404 L20	3450 D19	6446 C15
2405 L19	3451 E15	6450 F15
2413 I16	3452 E19	6451 E15
2414 I15	3453 A15	6452 E19
2415 I18	3454 D14	6453 E20
2416 H19	3455 C16	6470 D19
2417 H19	3456 C16	6502 I6
2440 D12	3457 B16	6503 I6
2441 F19	3460 C19	6504 H6
2442 D13	3461 C19	6505 H6
2443 F20	3465 D19	6511 K2
2444 C13	3470 D18	6513 M2
2445 C15	3501 I4	6514 L2
2446 C16	3503 J1	6515 N9
2447 B15	3504 J1	6516 N9
2448 B14	3507 K1	6517 L4
2449 G19	3508 K1	6521 L6
2450 E14	3509 K1	6522 L1
2451 E15	3510 K1	6523 L5
2452 E20	3511 K2	6530 H9
2453 G19	3513 M1	6537 I13
2460 C18	3514 J3	6540 G9
2465 E19	3515 J4	6545 M9
2470 D20	3516 L4	6549 O9
2500 I2	3517 L4	6553 L11
2501 H3	3518 J4	6554 H9
2502 I5	3520 J4	6555 N13
2503 I3	3521 K5	6557 N13
2504 H5	3522 K6	6558 N14
2505 H7	3523 J5	6559 N14
2506 G7	3525 M1	6561 O13
2507 G7	3526 L6	6562 L11
2509 H4	3530 I7	6565 L12
2511 K1	3533 H11	6566 L12
2514 L3	3534 I11	6568 K10
2515 L4	3535 I11	6569 I9
2517 L5	3536 H2	6570 I9
2520 L6	3547 N9	6573 L11
2522 L1	3549 O9	7015 A3
2523 L5	3550 N9	7400 H16
2524 J7	3551 M12	7440 C12
2525 J6	3552 O13	7445 B14
2530 H9	3553 M11	7512 K3
2532 G9	3554 L11	7514 N11
2533 I12	3555 O12	7514 K3
2534 G9	3556 O13	7515 K4
2536 I12	3557 M11	7516 K4
2540 G10	3558 I8	7525 K6
2544 M8	3559 O13	7537 H12
2545 M9	3560 K12	7552 M10
2547 O9	3561 K11	7553 K10
2550 O10	3562 K11	7554 O11
2553 M12	3563 N10	7555 O12
2554 H9	3563 O10	7556 O13
2555 O12	3564 J11	7561 K12
2556 O12	3565 L13	7563 K12
2557 L8	3566 L9	7571 J10
2560 K8	3567 K9	9450 F15
2561 K13	3568 N10	9451 E20
2562 K8	3569 L10	9454 D14
2563 N11	3570 I9	9526 L6
2573 J11	3571 I9	
2900 L16	3572 H11	
3050 D2	3573 I10	
3051 C2	3574 I11	
3317 B2	3591 K10	
3350 A6	3593 N11	
3351 A5	5403 I20	
3353 C9	5440 C11	
3354 C10	5441 C13	
3355 A8	5443 F18	
3356 A8	5445 A17	
3357 B2	5447 A16	
3358 C10	5449 G18	
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3364 F7	5454 D15	
3365 B2	5470 D19	
3370 E5	5500 I3	
3401 K20	5503 M1	
3402 I20	5515 K3	
3403 K19	5519 J5	
3404 K20	5521 L6	



## SOPS REPAIR KIT

SBG 7021  
4822 310 20491

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6502	6523
6503	7512
6504	7514
6505	7515
6511	7516
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6514	



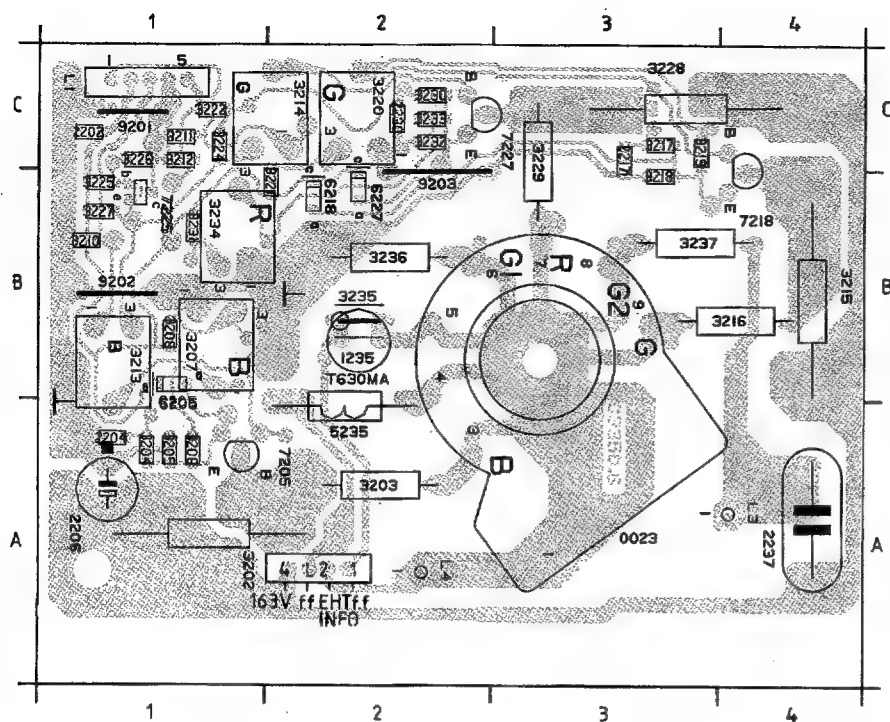


→ A, B, D

XXX	PAL-B/G	PAL-B/G AMTSBL	PAL-I	PAL-SEC B/G-DK	PAL-SEC B/G-LL'	PAL-SEC I-B/G-LL'	F.MULTI HYP	PAL-B/G HYP
1001	UV917E	UV917E	U943	UV917E	UV917E	UV917E	UV917E	UV917E
1015	OFWG1981M	OFWG1981M	OFWG1951M	OFWG2950	OFWG3950	OFWG3950	OFWG3950	OFWG1961M
1032	5,5MHz	5,5MHz	---	5,5MHz	5,5MHz	5,5MHz	5,5MHz	5,5MHz
1033	---	---	6MHz	6,5MHz	---	6MHz	6MHz	---
2005	470n	470n	---	470n	---	470n	330n	330n
2008	---	5P6	---	---	---	---	---	---
2009	---	220p	---	---	---	---	---	---
2010	---	---	---	---	---	18p	---	---
2011	---	---	---	---	---	18p	---	---
2013	---	---	---	---	---	18p	---	---
2014	---	---	---	---	---	4n7	---	---
2026	---	---	---	---	---	22n	---	---
2041	---	---	---	---	---	4n7	---	---
2043	---	---	---	---	---	4n7	---	---
2044	---	---	---	---	---	4n7	---	---
2875	---	1n	---	---	---	---	---	---
3002	2k7	2k7	---	2k7	---	2k7	---	2k7
3003	---	---	JMP	---	---	---	---	---
3005	JMP	1K	JMP	JMP	---	JMP	---	JMP
3010	JMP	JMP	JMP	JMP	---	56R	---	JMP
3011	---	---	---	---	---	5k6	---	---
3012	---	---	---	---	---	5k6	---	---
3019	180	180	180	180	---	5k6	---	180
3036	---	---	---	---	---	JMP	---	---
3037	JMP	JMP	JMP	JMP	---	---	---	JMP
3043	---	---	---	---	---	10k	---	---
3044	---	---	---	---	---	10k	---	---
3049	---	---	---	---	---	68k	---	---
3363	---	---	---	---	---	JMP	---	---
5012	---	---	---	---	---	0,28uH	---	---
5018	---	YES	---	---	---	---	---	---
5040	0,19uH	0,19uH	0,19uH	0,19uH	---	0,30uH	---	0,19uH
5043	---	---	---	---	---	0,70uH	---	---
6014	---	---	---	---	---	BA882	---	---
6020	---	---	---	---	---	LLZ-C2V4	---	---
6042	---	---	---	---	---	BA582	---	---
7002	LA7910	LA7910	---	LA7910	---	LA7910	---	LA7910

0041	I10	3883	L7
1001	D1	3902	L4
1015	D8	5010	E5
1032	F13	5012	F6
1033	G13	5018	C7
2001	M10	5030	F12
2001	C3	5032	G13
2002	E1	5040	B12
2003	F1	5043	B14
2004	E2	6014	G7
2005	F4	6019	F8
2006	F4	6020	F8
2007	C7	6034	F14
2008	D5	6042	A14
2009	D7	6849	H4
2010	D6	6850	I4
2011	D8	6851	I4
2012	E6	6852	I5
2013	G7	6853	I5
2014	G7	6854	I7
2015	M10	6855	I7
2016	C10	6865	I9
2016	C11	7002	F1
2017	F8	7015	C9
2018	G8	7027	E16
2019	C13	7030	E16
2020	F10	7038	F15
2022	G10	7039	F15
2025	F11	7050	C16
2026	G11	7875	K11
2027	E16	7876	L6
2030	F12	7877	L7
2031	G5		
2037	D15		
2038	C15		
2041	B13		
2043	A13		
2044	B15		
2850	K30		
2852	K5		
2860	I2		
2876	K10		
3001	L10		
3001	C3		
3002	F1		
3002	G1		
3003	F2		
3005	G3		
3010	D6		
3011	F6		
3012	G6		
3013	F10		
3013	F9		
3015	B11		
3015	M10		
3016	F9		
3016	F10		
3017	E9		
3018	F9		
3019	E8		
3021	G10		
3022	G10		
3023	C13		
3024	G16		
3025	G16		
3028	E15		
3027	E16		
3028	F16		
3029	G12		
3030	F12		
3031	G12		
3032	G12		
3033	G13		
3034	F14		
3036	A13		
3037	F11		
3038	F14		
3039	F15		
3043	A13		
3044	B15		
3049	B13		
3052	D16		
3053	C16		
3054	C15		
3055	C15		
3360	G10		
3363	A12		
3850	K3		
3851	I4		
3852	K5		
3853	I6		
3855	I7		
3856	K4		
3857	L4		
3858	I8		
3860	I3		
3862	I11		
3865	I9		
3866	I10		
3871	J10		
3875	K10		
3876	K10		
3878	L5		
3879	L5		
3880	L6		
3881	L6		
3882	K7		





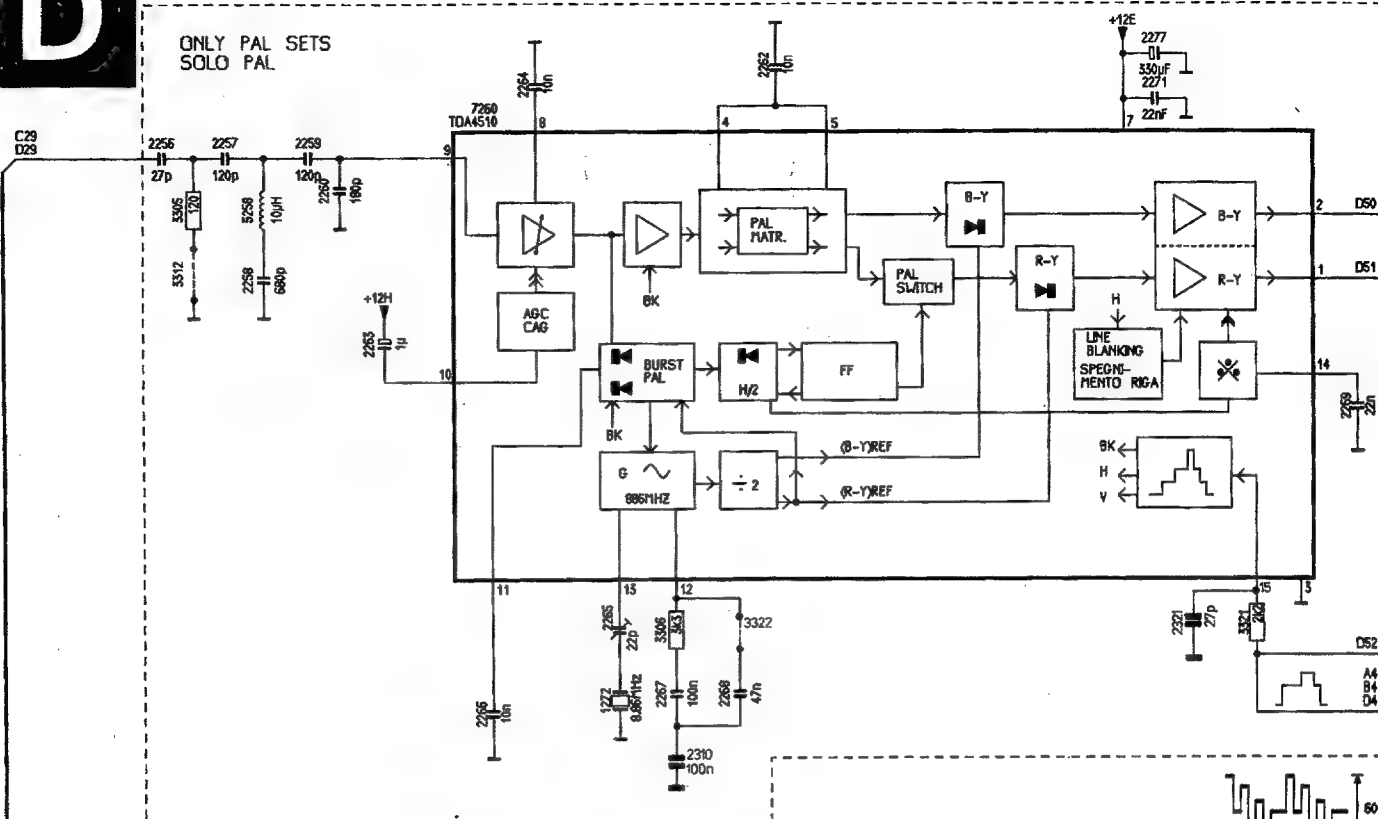
1235 B2	3205 A1	3216 B4	3227 B1	3237 B3	9202 B1
2202 C1	3206 A1	3217 C3	3228 C3	5235 A2	9203 C2
2204 A1	3207 B1	3218 B3	3229 C3	6205 B1	L1 C1
2206 A1	3208 B1	3219 C3	3230 C2	6218 B2	L2 A2
2217 C3	3210 B1	3220 C2	3231 B1	6227 B2	L3 A4
2230 C2	3211 C1	3221 B2	3232 C2	7205 A1	L4 A2
2237 A4	3212 C1	3222 C1	3233 C2	7218 C4	
3202 A1	3213 A1	3224 C1	3234 B1	7225 B1	
3203 A2	3214 C2	3225 B1	3235 B2	7227 C2	
3204 A1	3215 B4	3226 C1	3236 B2	9201 C1	

A

POS. NR.	SYSTEM BG	PAL-BG AMTSBL	SYSTEM I	SYSTEM BGDK	SYSTEM BGLL'	SYSTEM BGI LL'
1135	SFT5,5MHz	SFT5,5MHz	SFT6,0MHz	SFT5,5MHz	SFT5,5MHz	SFT5,5MHz
1136	---	---	820P	SFT6,5MHz	---	SFT6,0MHz
2138	1n	1n	---	1n	1n	820p
2139	---	---	---	820p	---	---
2144	---	1n2	---	---	---	---
2154	---	10n	---	---	---	---
2170	---	---	---	---	---	10n
2171	---	---	---	JMP	---	4n7
2172	---	---	---	---	---	100
2174	---	---	---	---	---	180p
2175	---	---	---	---	---	1n5
2176	---	---	---	---	---	10n
2288	---	---	---	---	---	---
3137	---	---	---	JMP	---	---
3141	---	---	---	---	3k3	3k3
3170	---	---	---	---	---	47k
3171	---	---	---	---	---	4k7
3172	---	---	---	---	---	4k7
3173	---	---	---	620	---	620
3175	---	---	---	---	---	1k0
5139	---	---	---	0,75uH	---	---
5177	---	---	---	---	---	100uH
5255	JMP	JMP	JMP	JMP	JMP	JMP
6170	---	---	---	JMP	---	BAS82
6172	---	---	---	---	---	BAS82
7170	---	---	---	---	---	BC848
9148	JMP	JMP	JMP	---	JMP	JMP

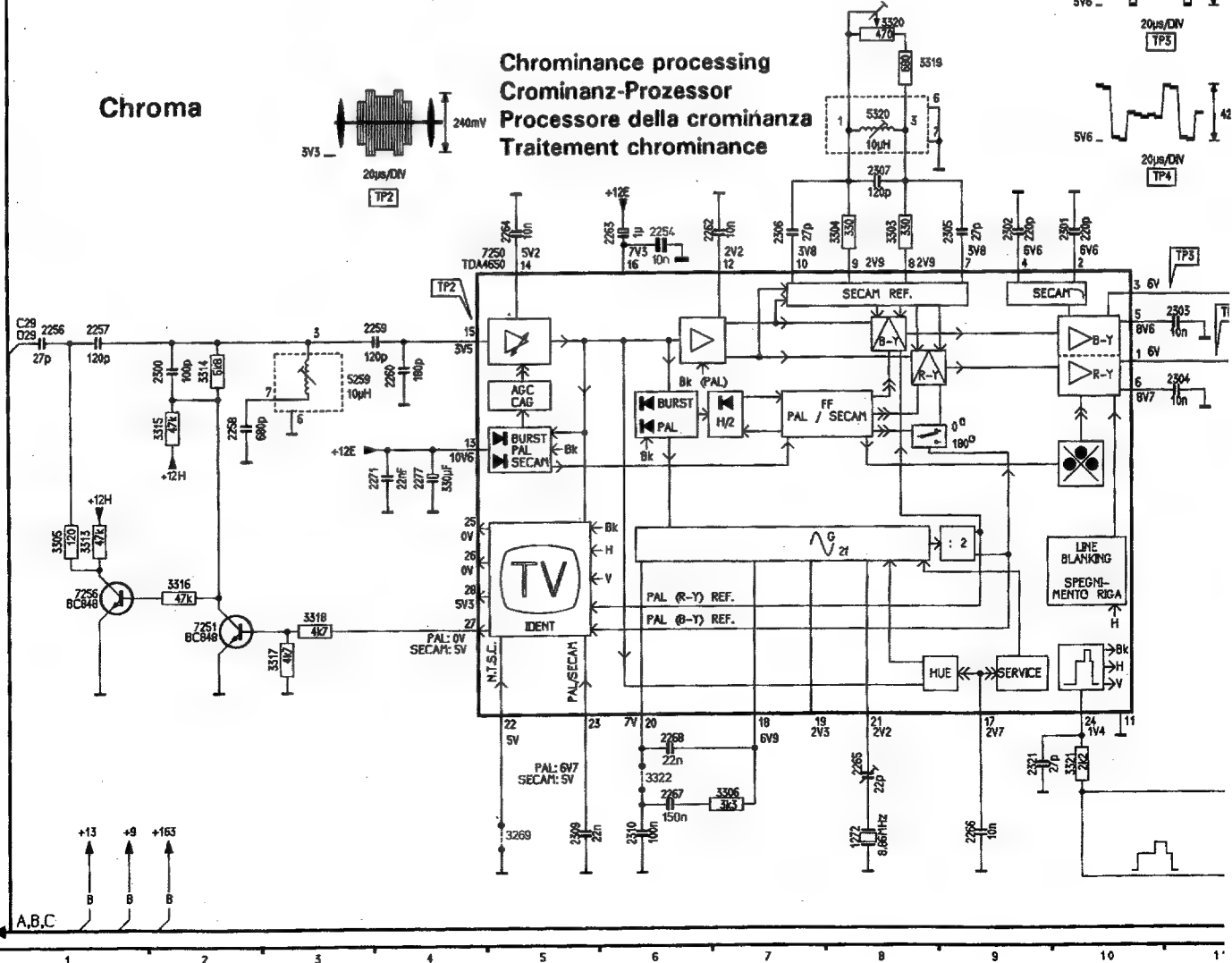
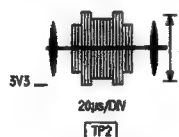
# D

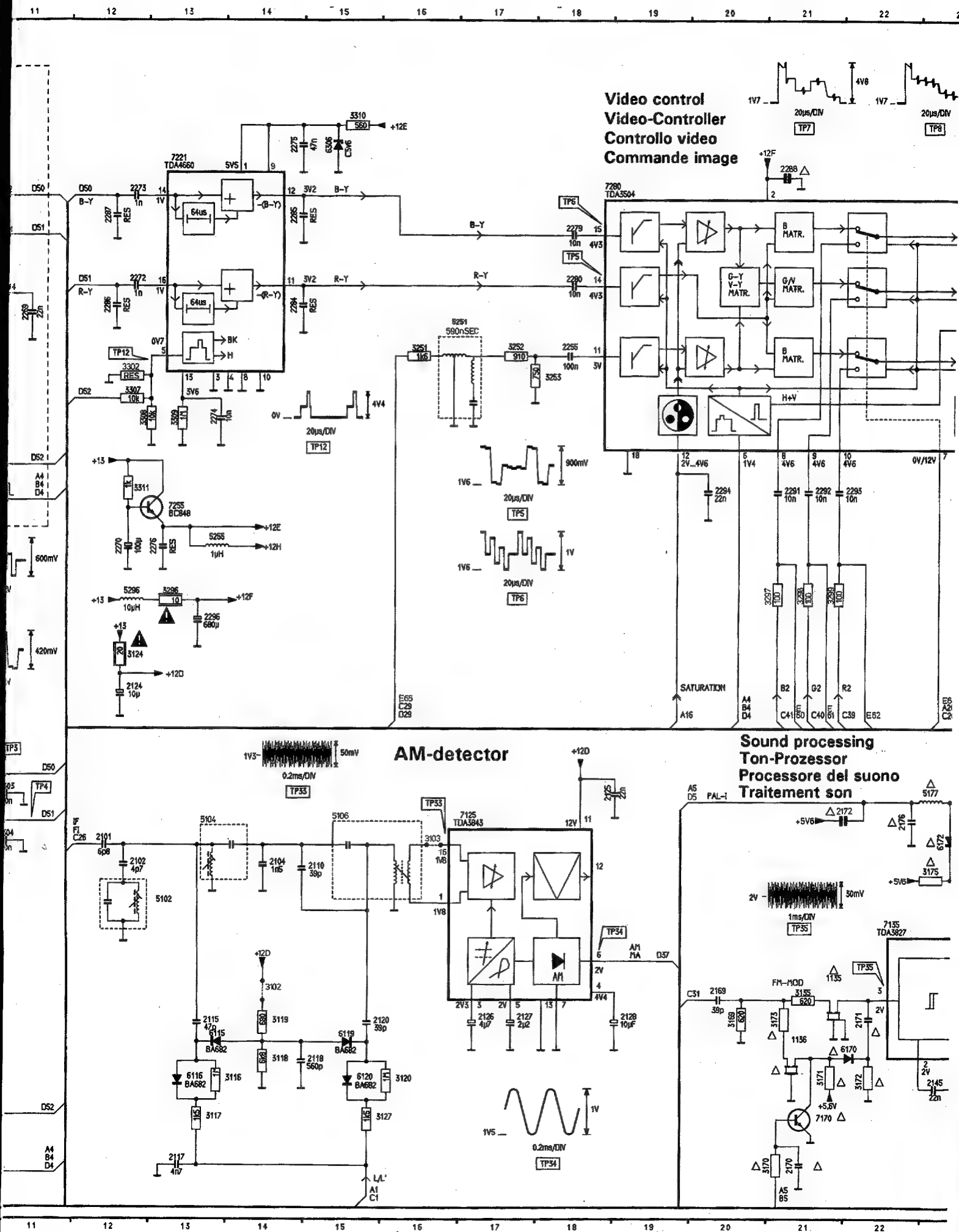
ONLY PAL SETS  
SOLO PAL

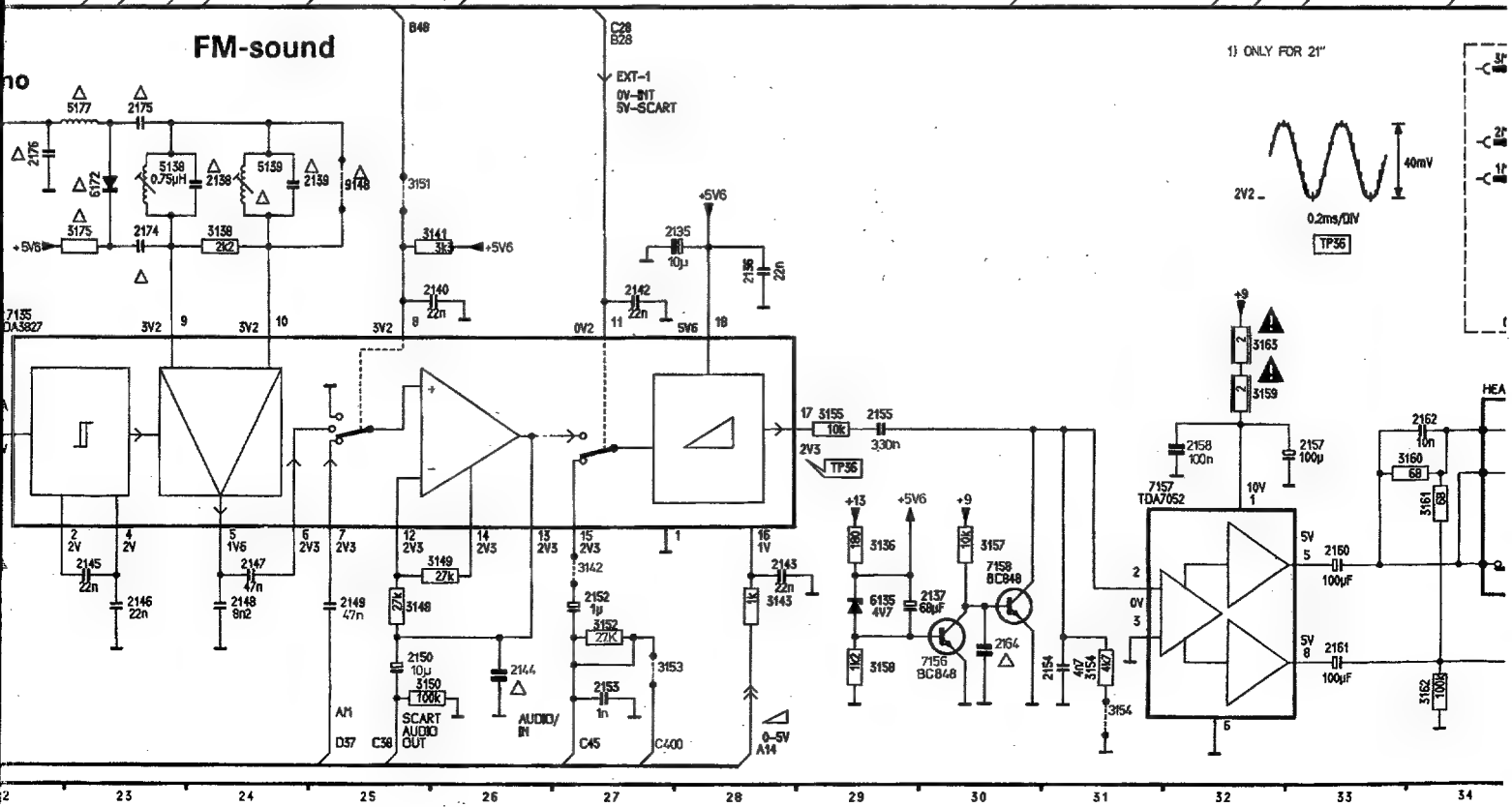
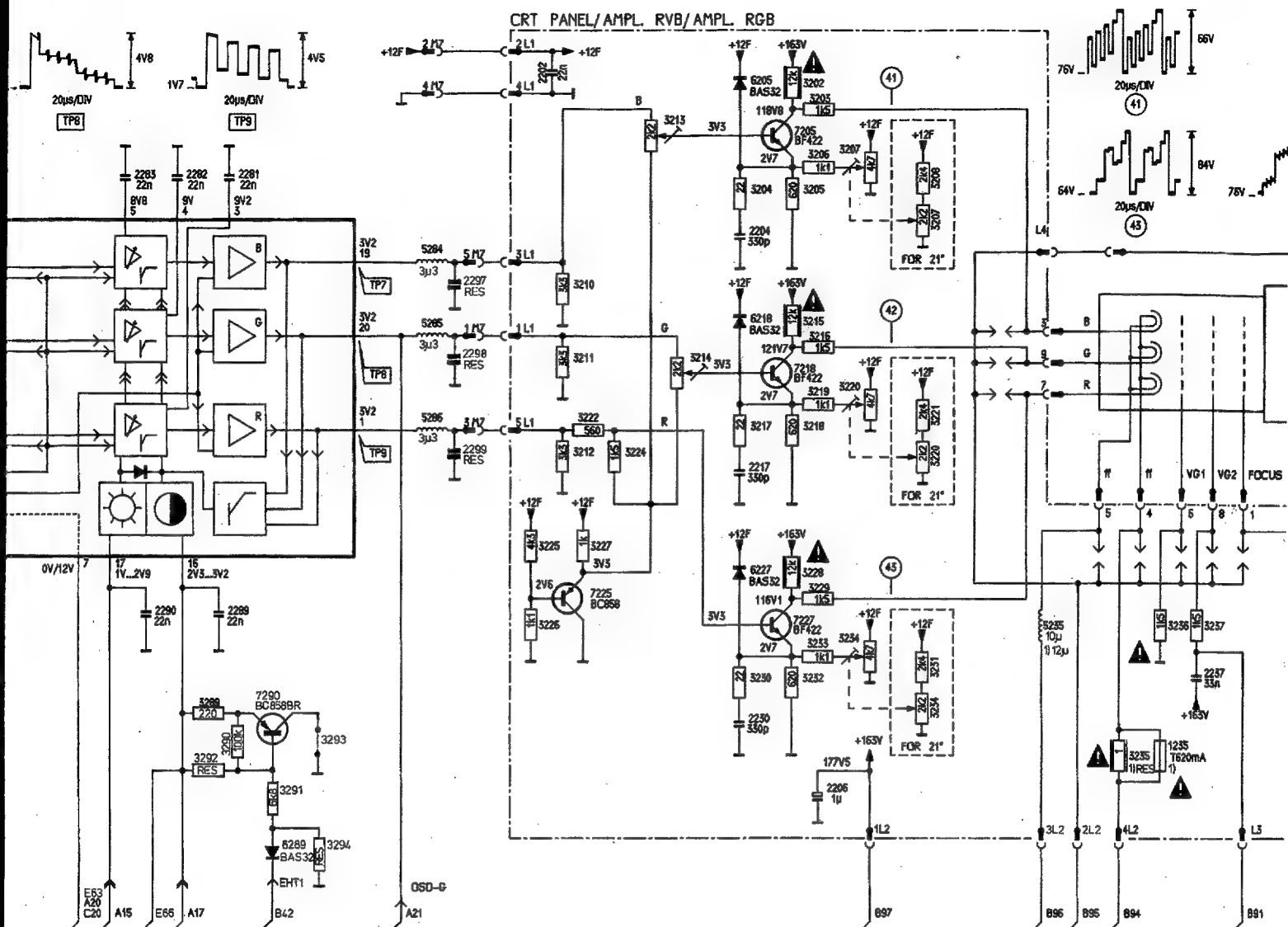


Chroma

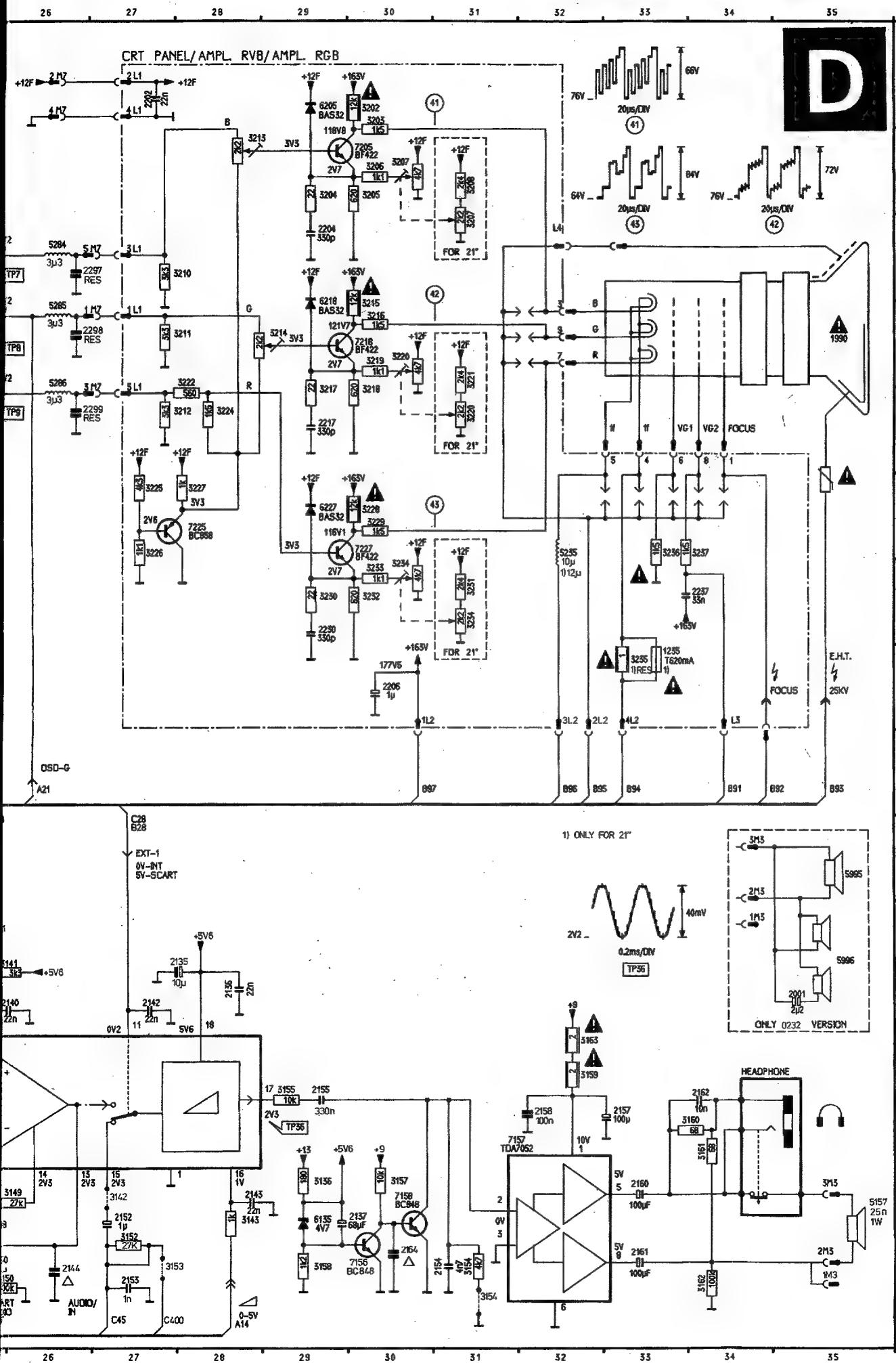
Chrominance processing  
Crominanz-Prozessor  
Processore della crominanza  
Traitement chrominance



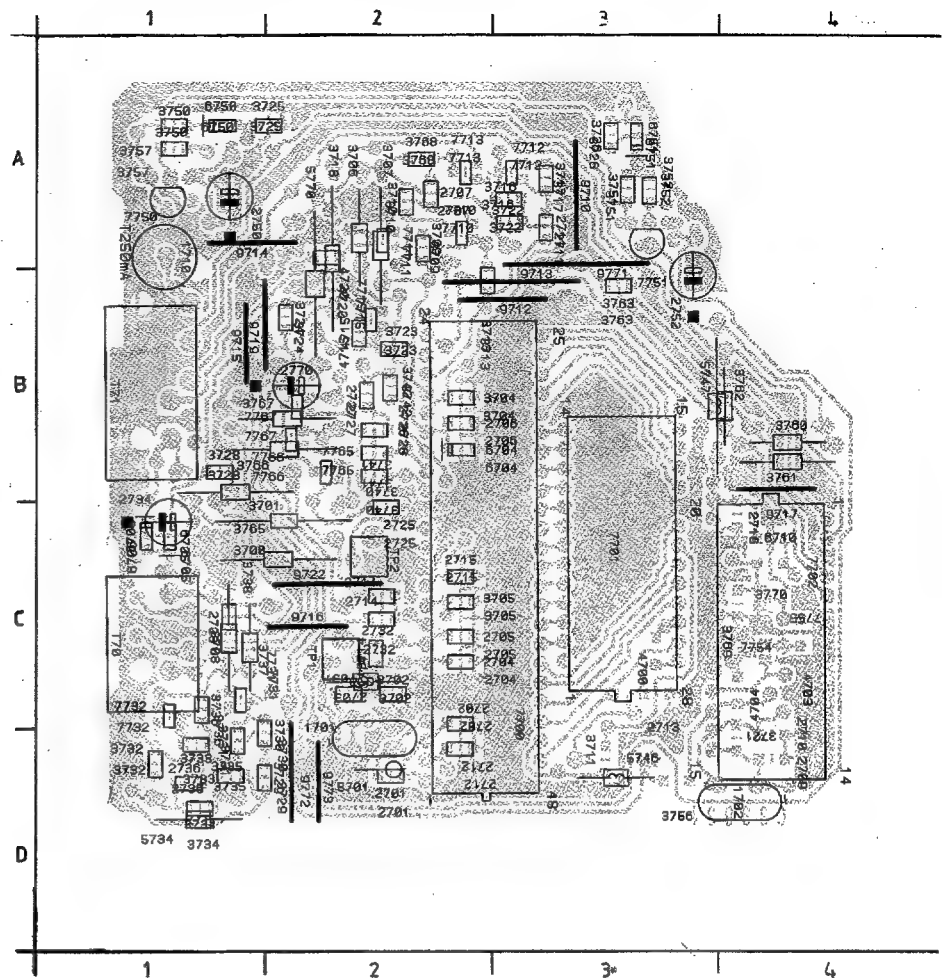




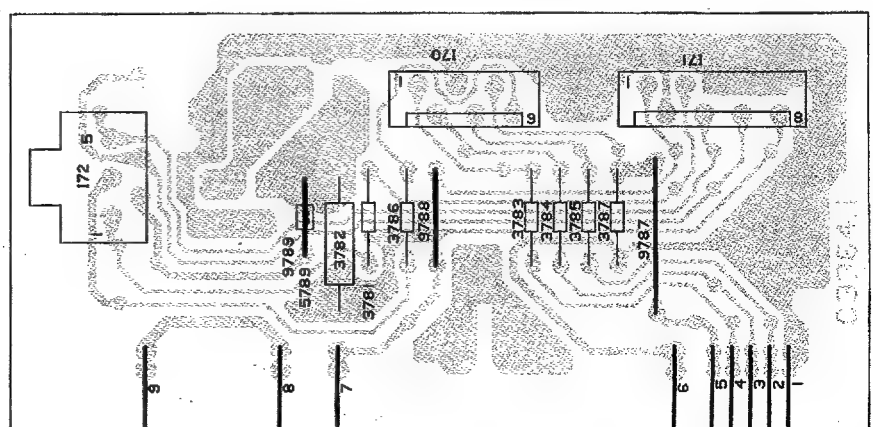


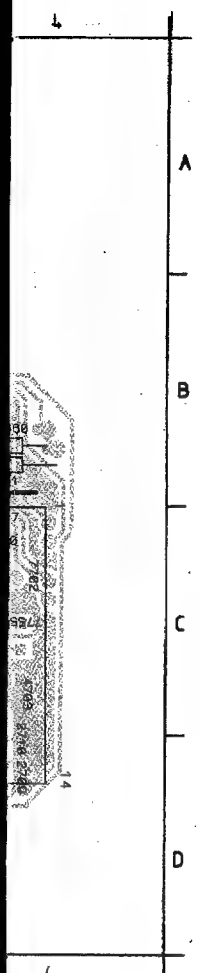


1135	M21	3160	M34
1136	M1	3161	M3
1235	H33	3162	Q34
1272	F8	3163	L32
1272	F5	3169	M20
2001	K15	3170	Q21
2101	K12	3171	F1
2102	K12	3172	M21
2104	K14	3173	M21
2110	K15	3175	K23
2115	M13	3202	A30
2116	Q13	3203	A30
2118	N15	3204	B29
2120	M16	3205	B30
2124	I12	3206	B30
2125	J18	3207	B30
2126	M17	3207	B31
2127	M17	3208	B31
2136	I28	3211	D28
2137	N3	3211	D28
2138	N3	3212	D28
2139	K25	3214	D29
2140	K26	3215	D30
2142	K28	3216	D30
2143	N28	3217	F30
2145	N23	3219	D30
2146	N23	3220	D30
2147	N24	3220	E31
2148	N24	3221	E31
2149	N25	3222	E32
2150	Q25	3224	E38
2151	Q26	3225	F27
2152	Q27	3226	F27
2153	Q27	3227	F28
2154	Q31	3228	F30
2155	M39	3229	F30
2157	M33	3230	G29
2158	N3	3231	G30
2159	N3	3231	G30
2162	M34	3233	G30
2164	Q30	3234	G30
2169	Q30	3234	G31
2170	Q31	3235	H33
2171	M27	3236	H33
2172	K22	3237	F34
2174	K23	3251	D17
2175	K23	3251	D17
2176	K23	3251	D17
2202	A27	3289	G24
2204	C29	3289	G24
2206	K30	3290	G24
2217	G39	3291	G24
2218	G39	3291	G24
2219	G34	3293	H25
2254	I6	3294	I25
2255	D18	3296	H13
2256	D2	3297	H13
2257	N10	3297	H13
2257	J1	3298	H21
2257	S2	3303	I8
2258	K2	3304	F4
2259	K2	3305	B2
2259	B3	3305	B2
2259	J4	3306	F5
2260	K4	3306	F7
2260	B3	3307	E12
2261	A6	3308	E12
2261	D3	3308	E12
2263	D3	3310	E16
2263	I6	3311	E16
2264	B4	3312	C12
2264	B5	3313	C12
2265	N9	3315	K2
2266	O8	3318	M2
2267	N8	3319	M3
2267	F5	3319	H3
2268	B6	3320	H8
2268	N6	3321	F10
2269	C1	3322	F10
2270	O5	3322	F6
2270	G12	3322	F6
2271	B9	3322	F6
2272	D12	3323	K13
2272	D12	3323	K13
2273	D12	3323	K13
2274	E13	3328	K24
2274	E13	3328	K24
2275	E13	3328	K24
2275	E13	3328	K24
2277	A9	3251	D16
2277	L4	3255	G13
2279	C18	3258	B2
2280	D15	3259	B3
2280	D15	3259	B3
2282	S24	3285	C26
2283	S23	3286	D26
2284	D14	3287	H12
2285	D12	3315	M13
2286	C12	3316	M13
2287	C12	3316	M13
2288	S21	3319	M19
2289	S21	3320	M19
2290	F1	3323	N21
2291	C21	3324	N22
2292	F21	3325	N22
2293	F21	3326	N22
2294	F21	3327	N22
2295	F21	3328	N22
2296	C26	3289	G24
2297	C26	3289	G24
2298	C26	3289	G24
2299	C26	3289	G24
2300	C26	3289	G24
2301	C26	3289	G24
2302	C26	3289	G24

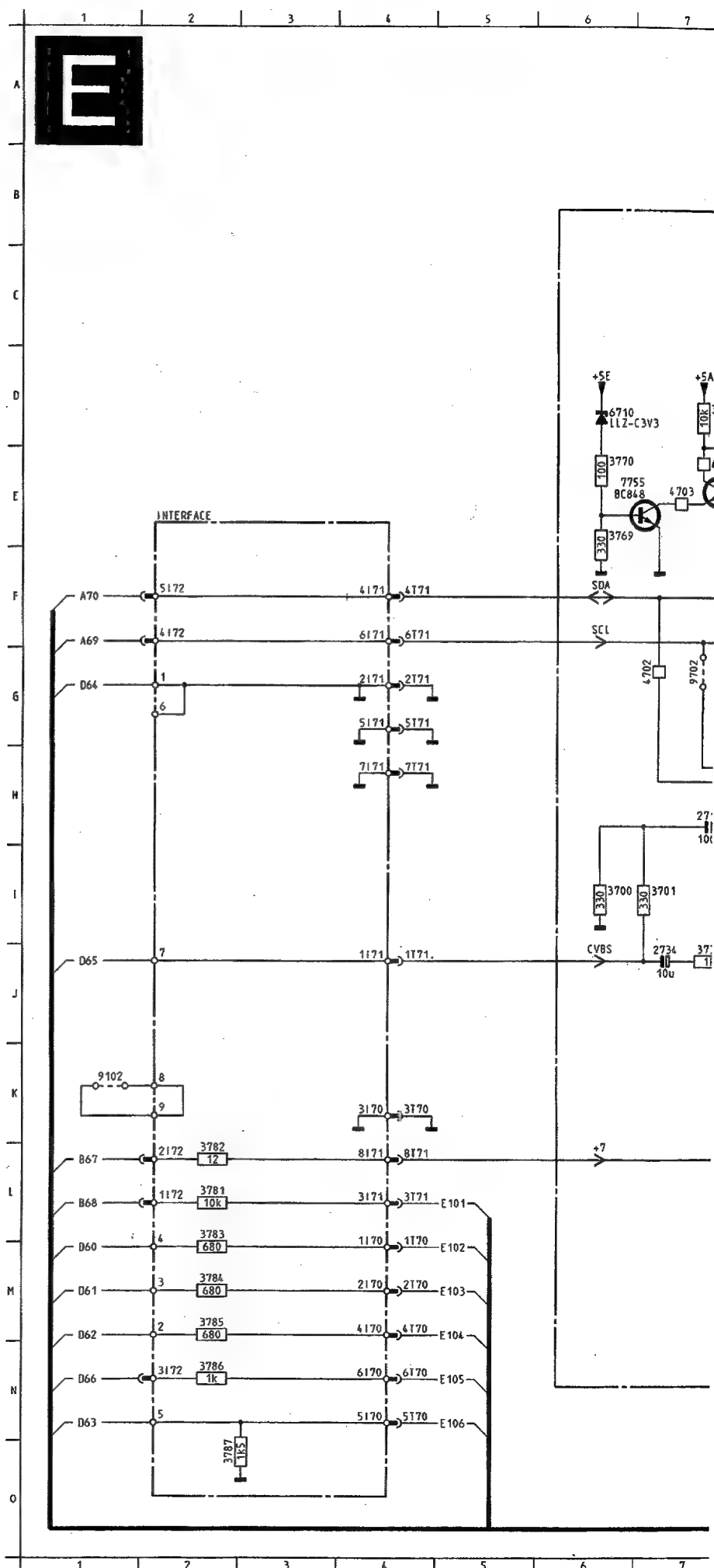


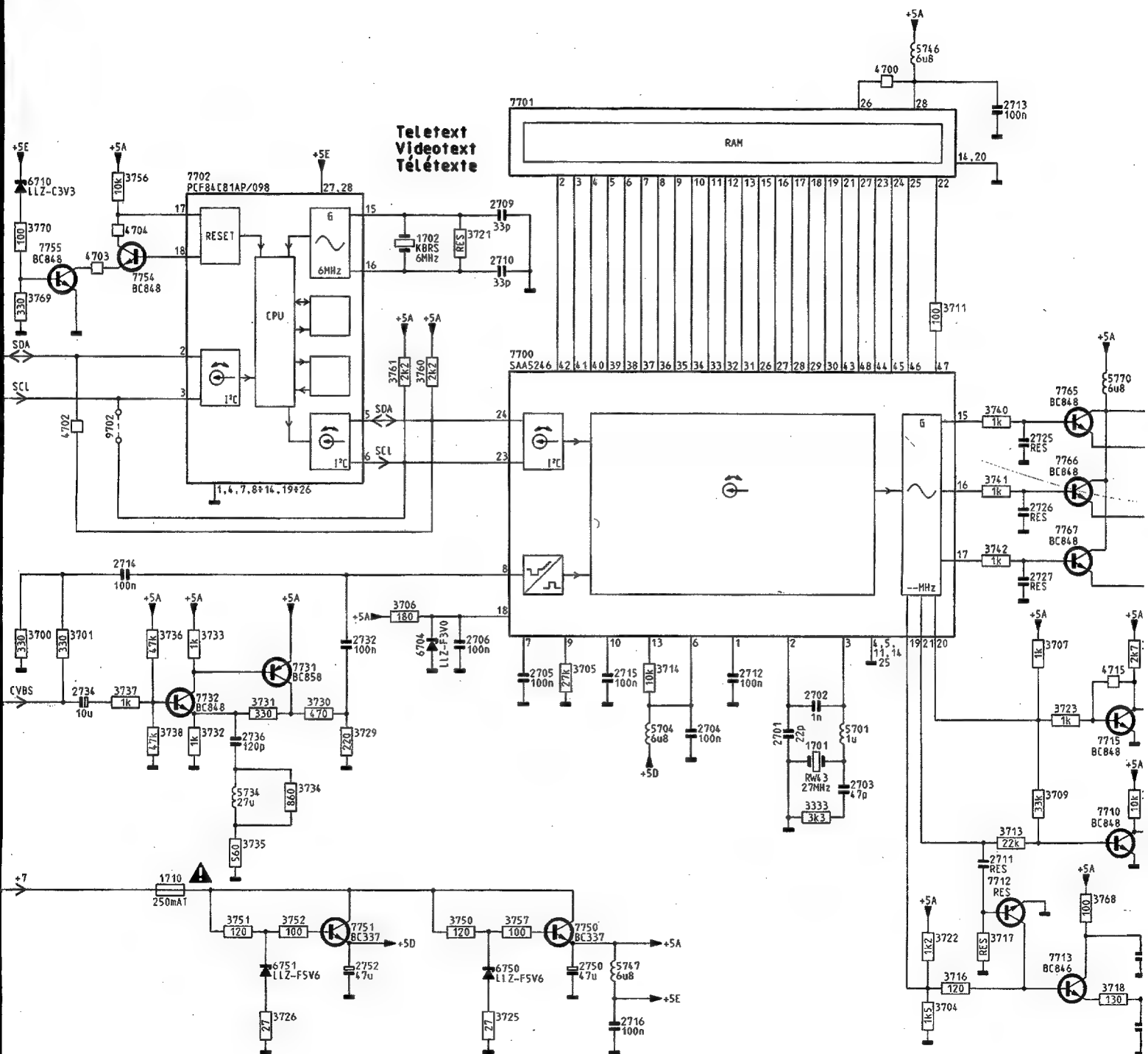
1702 D4	2727 B2	3717 A3	3741 B2	4715 B2	7713
1710 A1	2732 C2	3718 A2	3742 B2	4720 A2	7715
2701 D2	2734 C1	3721 D4	3750 A1	5701 D2	7731
2702 D2	2736 D1	3722 A3	3751 A3	5704 C2	7732
2703 C2	2750 A1	3723 B2	3752 A3	5734 D1	7750
2704 C2	2752 A3	3724 B2	3756 D3	5746 D3	7751
2705 C2	2770 B2	3725 A2	3757 A1	5747 B4	7754
2706 B2	3700 C2	3726 A3	3760 B4	5770 B2	7755
2707 A2	3701 B1	3728 B1	3761 B4	6704 B2	7765
2708 C1	3702 C2	3729 D2	3762 B4	6705 C1	7766
2709 D4	3704 B2	3730 D2	3763 B3	6706 C1	7767
2710 D4	3705 C2	3731 D1	3765 C2	6710 C4	9710
2711 A3	3706 A2	3732 D1	3766 B2	6750 A1	9712
2712 D2	3707 A2	3733 D1	3767 B2	6751 A3	9713
2713 C3	3709 A2	3734 D1	3768 A2	7700 C2	9714
2714 C2	3710 A2	3735 D1	3769 C4	7701 C3	9715
2715 C2	3711 D3	3736 C1	3770 C4	7702 C4	9716
2716 C4	3713 B2	3737 C1	4700 C3	7710 A2	9717
2725 C2	3714 C2	3738 C1	4703 C4	7711 A2	9718
2728 B2	3716 A3	3740 B2	4704 C4	7712 A3	9722





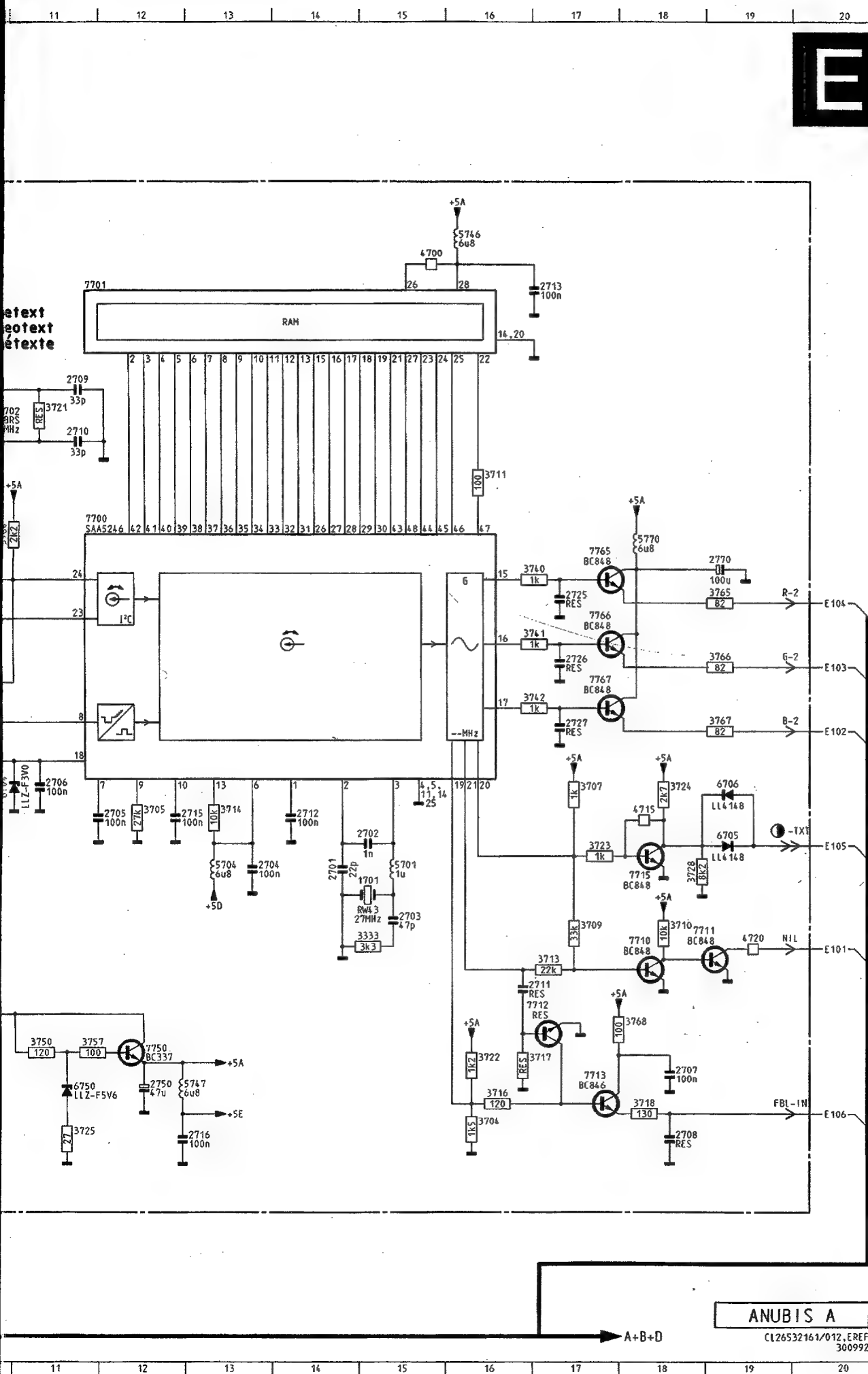
2	7713	A2	9771	A3
2	7715	B2	9772	D2
2	7731	C1	9773	D2
2	7732	C1	T70	C1
1	7750	A1	T71	B1
3	7751	A3	TP1	C2
4	7754	C4	TP2	C2
2	7755	C4		
2	7765	B2		
1	7766	B2		
1	7767	B2		
4	9710	A3		
1	9712	B3		
3	9713	A3		
2	9714	A1		
3	9715	B1		
4	9716	C2		
2	9717	B4		
2	9719	B2		
3	9722	C2		





**A+B+D**





1701	J15	7766	G17
1702	E10	7767	H17
1710	L 8	9102	K 1
2701	J14	9702	G 7
2702	J15		
2703	K15		
2704	J13		
2705	L12		
2706	L11		
2707	L18		
2708	M18		
2709	O11		
2710	E11		
2711	K16		
2712	L14		
2713	C17		
2714	H 7		
2715	L12		
2716	M13		
2725	G17		
2726	H17		
2727	H17		
2732	L10		
2734	J 7		
2736	J 8		
2750	M12		
2752	M10		
2770	F19		
3333	K15		
3700	I 6		
3701	I 7		
3704	M16		
3705	L12		
3706	L10		
3707	L17		
3709	K17		
3710	K18		
3711	E16		
3713	K17		
3714	L13		
3716	M16		
3717	L16		
3718	M18		
3721	E11		
3722	L16		
3723	J17		
3724	L18		
3725	M11		
3726	M 9		
3728	J18		
3729	J10		
3731	J 9		
3732	J 8		
3733	J 8		
3734	K 9		
3735	K 9		
3736	I 8		
3737	J 7		
3738	J 8		
3740	G17		
3741	G17		
3742	H17		
3750	L11		
3751	L 8		
3752	L 9		
3756	D 7		
3757	L11		
3760	F10		
3761	F10		
3765	G19		
3766	H19		
3767	H19		
3768	L18		
3769	E 6		
3770	E 6		
3781	L 2		
3782	L 2		
3783	L 2		
3784	M 2		
3785	M 2		
3786	N 2		
3787	O 2		
4700	C15		
4702	G 7		
4703	E 7		
4704	E 7		
4715	L18		
4720	K19		
5701	J15		
5704	J13		
5734	K 8		
5746	C16		
5747	M12		
5770	F18		
6704	L10		
6705	J19		
6706	L19		
6710	D 6		
6750	M11		
6751	M 9		
7700	F11		
7701	C11		
7702	D 8		
7710	K18		
7711	K19		
7712	L17		
7713	L17		
7715	J18		
7731	I 9		
7732	J 8		
7750	L12		
7751	L10		
7754	E 7		
7755	E 7		
7765	F17		

ANUBIS A  
CL26532161/012, EREF  
300992

## 1. Adjustments on the main panel (Fig. 7)

### 1.1 +100V power supply voltage

Connect a voltmeter (DC) between pin 6 of connector M5 and ground. Adjust potentiometer 3535 for a voltage of +100V (14"-17") or +92,5V (21").

### 1.2 Horizontal synchronization

Interconnect pins 8 and 28 of IC7015. Apply an aerial signal and tune the set. Adjust potentiometer 3356 until the picture is straight. Remove the interconnection.

### 1.3 Horizontal centring

Is adjusted with potentiometer 3354.

### 1.4 Vertical centring

Can be adjusted by eventually mounting one of the resistors 3401 or 3408.

### 1.5 Picture height

Is adjusted with potentiometer 3410.

### 1.6 Focussing

Is adjusted with the focussing potentiometer in the line output transformer (see Fig. 8).

### 1.7 IF filter for PAL/SECAM BGLL'- or PAL/SECAM BGLL'I sets

Connect a signal generator (e.g. PM 5326) via a condensator 5p6 to pin 17 of the tuner and adjust the frequency for 33.4 MHz. Connect an oscilloscope to pin 1 of filter 1015. Switch on the set and select system Europe via the system button on the set. Adjust 5012 for a minimum amplitude.

### 1.8 AFC

#### a. Alignments for PAL/SECAM BGLL'- or PAL/SECAM BGLL'I sets

Connect a signal generator (e.g. PM 5326) as indicated in point 1.7 and adjust the frequency for 33.4 MHz. Tune the set in the VHF1 band at a tuning voltage of approx. 5V on pin 11 of the tuner. Select system France via the system button on the set. Connect a voltmeter to pin 21 of IC7015. Adjust 5040 for 6V (DC). Next adjust the frequency of the signal generator for 38,9 MHz. Select system Europe on the set. Adjust 5043 for 6V (DC).

#### b. Alignment for PAL BG-, PAL/SECAM BG-, PAL/SECAM BGDK- or PAL I sets

Connect a signal generator (e.g. PM 5326) as indicated in point 1.7 and adjust the frequency for 38.9 MHz (PAL I: 39.5MHz). Connect a voltmeter to pin 21 of IC7015. Adjust 5040 for 6V (DC).

### 1.9 RF AGC

If the picture of a strong local transmitter is reproduced distorted, adjust potentiometer 3021 until the picture is undistorted.

### 1.10 Chroma band-pass filter for PAL/SECAM sets

Connect a signal generator (e.g. PM5326) to pin 20 of the euro connector and adjust it for a frequency of 4,286 MHz. Connect pin 8 of the euro connector and pin 27 of IC7250 to pin 13 of IC7250 (+12V). Connect an oscilloscope to pin 15 of IC7250. Adjust 5259 for a maximum amplitude. Remove the interconnections.

### 1.11 Chroma subcarrier oscillator

Apply a PAL colour-bar pattern. Interconnect pin 11 of IC7260 (TDA4510) or pin 17 of IC7250 (TDA4650) to ground. Adjust 2265 so that colour pattern on the screen is practically stationary. Remove the interconnection.

### 1.12 SECAM demodulators for PAL/SECAM sets

Apply a SECAM black pattern. Connect an oscilloscope to pin 1 of IC7250. Adjust 5320 for 0 reading. Connect the oscilloscope to pin 3 of IC7250. Adjust 3320 for 0 reading.

### 1.13 The FM sound section

#### a. General adjustments

Apply a PAL BG (PAL I for PAL I sets) generator signal whose sound carrier is (FM) modulated with a frequency of 1 kHz. Set the generator to the mono mode. Tune the set and select, if possible, system Europe. Adjust 5138 for maximum sound output.

#### b. Additional adjustment for PAL/SECAM BGDK sets

After the general adjustment (see point a.) put the generator in SECAM DK position. Adjust 5139 for maximum sound output.

### 1.14 The AM sound section for PAL/SECAM BGLL'- or PAL/SECAM BGLL'I sets

Connect pin 3 of IC7125 to a fixed voltage level of +2V by means of an adjustable power supply. Connect a signal generator (e.g. PM 5326) via a condensator 5p6 to pin 17 of the tuner and adjust the frequency for 32,4 MHz. Modulate (AM) the signal with 1 kHz. Tune the set in the UHF band and select system France. First adjust 5106 for maximum sound output. Next adjust 5104 for maximum sound output. Adjust the frequency of the signal generator for 30,9 MHz. and modulate (AM) the signal with 1 kHz. Adjust 5102 for minimum sound output. Remove the power supply connection.

## 2. Adjustments on the picture tube panel (Fig. 9)

### 2.1 Cut-off points of picture tube

Apply a black pattern generator signal. Adjust contrast at minimum.

Adjust brightness until the DC voltage across potentiometer 3213 is 0V.

Adjust 3207, 3220 and 3234 for a black level of 125V on the collectors of transistors 7205, 7218 and 7227.

Adjust Vg2 potentiometer until the gun that first emits light is just no longer visible. Adjust the two other guns with the respective controls (3207, 3220 or 3234) until just no light will be visible.

### 2.2 Grey scale

Apply a test pattern signal and adjust the set for normal operation. Allow the set to warm up for about 10 minutes. Adjust 3213 and 3214 until the desired grey scale has been obtained.

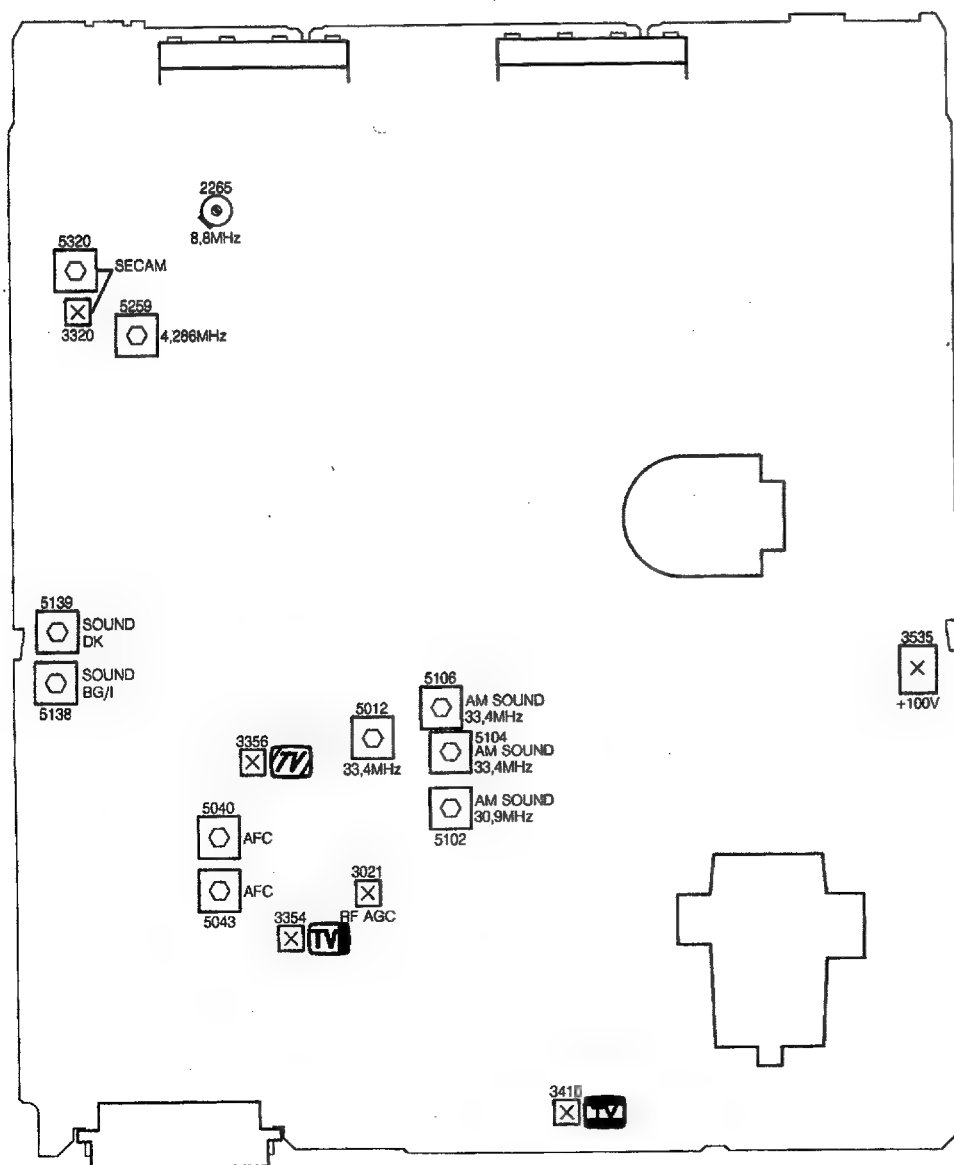


Fig. 7

MDA.02811  
T10/037

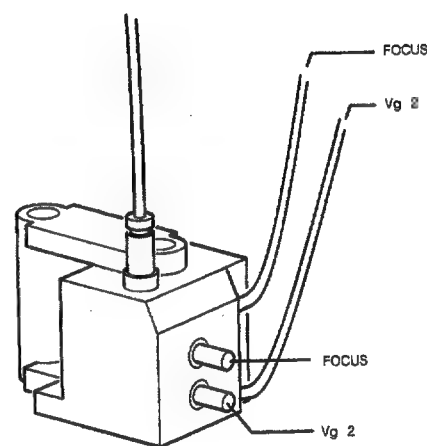


Fig. 8

MDA.00633  
CP90  
T28/723

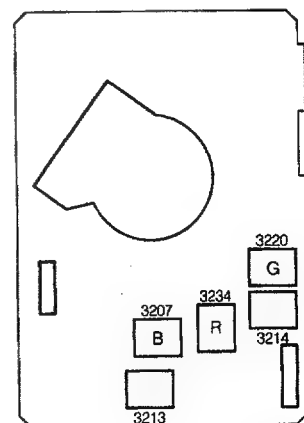


Fig. 9

MDA.02812  
T28/036

## List of error messages

ANUBIS A 8.1

ERROR MESSAGE	ERROR DESCRIPTION	POSSIBLE DEFECTIVE COMPONENT
Flashing LED	Internal $\mu$ C error	IC7600
F2 + Flashing LED	EEPROM error	IC7685



2507 5322 121 42919 10nF 10% 400V  
 2509 4822 126 11141 2,2nF 10% 1KV  
 2511 4822 122 31767 150pF 2% 63V  
 2514 4822 122 31961 68pF 2% 63V  
 2515 4822 122 31961 68pF 2% 63V

2517 5322 121 42498 680nF 5% 63V  
 2520 4822 122 32891 68nF 10% 63V  
 2522 4822 122 31746 1000pF 2% 63V  
 2523 4822 122 31746 1000pF 2% 63V  
 2524 ▲ 4822 126 11382 1nF 10% 1KV

2526 ▲ 4822 122 32442 10nF 50V  
 2530 ▲ 4822 124 80096 47μF 200V  
 2532 4822 122 31177 470pF 10% 500V  
 2533 4822 122 31981 33nF 50V  
 2534 ▲ 4822 126 11524 1,5nF 10% 1KV

2540 4822 124 41677 680μF 20% 25V  
 2545 4822 124 40769 4,7μF 20% 100V  
 2547 4822 122 31746 1000pF 2% 63V  
 2550 4822 121 42786 33 nF 2% 100V  
 2553 4822 122 31727 470pF 2% 63V

2554 4822 122 31174 2,7nF 10% 500V  
 2555 4822 126 11544 22000pF 63V  
 2556 4822 122 31784 4,7nF 10% 50V  
 2557 4822 122 31784 4,7nF 10% 50V  
 2560 4822 124 41677 680μF 20% 25V

2561 5322 124 41431 22μF 20% 35V  
 2562 4822 122 31727 470pF 2% 63V  
 2563 4822 122 31727 470pF 2% 63V  
 2573 4822 122 31772 47pF 2% 63V  
 2602 4822 124 40435 10μF 20% 50V

2606 4822 122 31974 820pF 10% 63V  
 2610 4822 121 41673 220nF 10% 100V  
 2611 4822 121 41673 220nF 10% 100V  
 2615 4822 122 31765 100pF 2% 63V  
 2623 4822 124 40242 1μF 20% 63V

2624 4822 124 41596 22μF 20% 50V  
 2625 4822 122 32765 820pF 2% 63V  
 2629 4822 124 40435 10μF 20% 50V  
 2629 4822 124 41576 2,2μF 20% 50V  
 2630 4822 124 41576 2,2μF 20% 50V

2651 4822 122 31974 820pF 10% 63V  
 2658 4822 122 31974 820pF 10% 63V  
 2660 5322 122 31647 1nF 10% 63V  
 2666 4822 124 40433 47μF 20% 25V  
 2666 ▲ 4822 124 41525 100μF 20% 25V

2669 4822 122 31772 47pF 2% 63V  
 2669 5322 122 31842 330pF 2% 63V  
 2670 4822 122 31965 220pF 2% 63V  
 2676 4822 122 31768 180pF 2% 63V  
 2677 4822 122 31769 18pF 2% 63V

2677 4822 122 31971 10pF 2% 63V  
 2677 4822 122 32083 8,2pF 5% 50V  
 2678 4822 122 31769 18pF 2% 63V  
 2678 4822 122 31971 10pF 2% 63V  
 2678 4822 122 32083 8,2pF 5% 50V

2679 4822 122 31839 82pF 2% 63V  
 2680 4822 122 31825 27pF 2% 63V  
 2681 4822 122 31825 27pF 2% 63V  
 2682 4822 122 31765 100pF 2% 63V  
 2685 ▲ 4822 124 41525 100μF 20% 25V

2686 4822 126 11544 22000pF 63V  
 2690 4822 126 11544 22000pF 63V  
 2695 4822 122 31974 820pF 10% 63V  
 2696 4822 122 31974 820pF 10% 63V  
 2697 4822 122 31974 820pF 10% 63V

2698 4822 122 31974 820pF 10% 63V  
 2849 4822 122 31727 470pF 2% 63V  
 2850 4822 122 31965 220pF 2% 63V  
 2852 4822 122 31965 220pF 2% 63V  
 2860 4822 122 31784 4,7nF 10% 50V

2875 5322 122 31647 1nF 10% 63V  
 2876 4822 124 40435 10μF 20% 50V



3001 ▲ 4822 052 10229 22Ω 5% 0,33W  
 3002 4822 051 10272 2k7 2% 0,25W  
 3004 4822 051 10008 0Ω 5% 0,25W  
 3005 4822 051 10008 0Ω 5% 0,25W  
 3005 4822 051 10102 1k 2% 0,25W

3010 4822 051 10008 0Ω 5% 0,25W  
 3010 4822 051 10569 56Ω 2% 0,25W  
 3011 4822 051 10562 5k6 2% 0,25W  
 3012 4822 051 10562 5k6 2% 0,25W  
 3015 ▲ 4822 052 10109 10Ω 5% 0,33W

3015 ▲ 4822 052 10159 15Ω 5% 0,33W  
 3016 4822 116 52245 150k 5% 0,5W  
 3017 4822 116 52256 2k2 5% 0,5W  
 3018 4822 051 10103 10k 2% 0,25W  
 3019 4822 051 10181 180Ω 2% 0,25W

3019 4822 051 10562 5k6 2% 0,25W  
 3021 4822 100 11823 47k 30% 0,1W  
 3022 4822 051 10473 47k 2% 0,25W  
 3023 4822 051 10224 220k 2% 0,25W  
 3024 4822 051 10472 4k7 2% 0,25W

3025 4822 051 10332 3k3 2% 0,25W  
 3026 4822 051 10101 100Ω 2% 0,25W  
 3027 4822 051 10221 220Ω 2% 0,25W  
 3028 4822 051 10152 1k5 2% 0,25W  
 3029 4822 051 10152 1k5 2% 0,25W

3030 4822 051 10221 220Ω 2% 0,25W  
 3031 4822 051 10331 330Ω 2% 0,25W  
 3032 4822 051 10181 180Ω 2% 0,25W  
 3033 4822 051 10182 1k8 2% 0,25W  
 3034 4822 051 10103 10k 2% 0,25W

3035 4822 051 10008 0Ω 5% 0,25W  
 3036 4822 051 10008 0Ω 5% 0,25W  
 3037 4822 051 10008 0Ω 5% 0,25W  
 3038 4822 051 10393 39k 2% 0,25W  
 3039 4822 051 10393 39k 2% 0,25W

3043 4822 051 10103 10k 2% 0,25W  
 3044 4822 116 52233 10k 5% 0,5W  
 3049 4822 051 10683 68k 2% 0,25W  
 3050 4822 051 10332 3k3 2% 0,25W  
 3051 4822 051 10223 22k 2% 0,25W

3054 4822 051 10102 1k 2% 0,25W  
 3102 4822 051 10008 0Ω 5% 0,25W  
 3103 4822 051 10008 0Ω 5% 0,25W  
 3116 4822 051 10105 1M 5% 0,25W  
 3117 4822 051 10152 1k5 2% 0,25W

3118 4822 051 10682 6k8 2% 0,25W  
 3119 4822 051 10681 680Ω 2% 0,25W  
 3120 4822 051 10105 1M 5% 0,25W  
 3124 ▲ 4822 052 10229 22Ω 5% 0,33W  
 3127 4822 051 10152 1k5 2% 0,25W

3135 4822 051 10621 620Ω 2% 0,25W  
 3136 4822 053 11181 180Ω 5% 2W  
 3137 4822 051 10008 0Ω 5% 0,25W  
 3138 4822 051 20222 2k2 5% 0,1W  
 3139 4822 051 10008 0Ω 5% 0,25W

3140 4822 051 10008 0Ω 5% 0,25W  
 3141 4822 051 10332 3k3 2% 0,25W  
 3142 4822 051 10008 0Ω 5% 0,25W  
 3143 4822 051 10102 1k 2% 0,25W  
 3148 4822 051 10273 27k 2% 0,25W

3149 4822 051 10273 27k 2% 0,25W  
 3150 4822 051 10104 100k 2% 0,25W  
 3151 4822 051 10008 0Ω 5% 0,25W  
 3152 4822 051 10273 27k 2% 0,25W  
 3153 4822 051 10123 12k 2% 0,25W

3154 4822 051 10272 2k7 2% 0,25W  
 3155 4822 051 10103 10k 2% 0,25W  
 3156 4822 051 10008 0Ω 5% 0,25W  
 3157 ▲ 4822 050 21003 10k 1% 0,6W  
 3158 4822 051 10122 1k2 2% 0,25W

3159 ▲ 4822 052 11208 2Ω 5% 0,5W  
 3160 4822 051 10689 68Ω 2% 0,25W  
 3161 4822 051 10689 68Ω 2% 0,25W  
 3162 4822 051 10104 100k 2% 0,25W  
 3163 ▲ 4822 052 11208 2Ω 5% 0,5W

3169 4822 051 10621 620Ω 2% 0,25W  
 3170 4822 051 10473 47k 2% 0,25W  
 3171 ▲ 4822 116 52283 4k7 5% 0,5W  
 3172 4822 051 10472 4k7 2% 0,25W  
 3173 4822 051 10621 620Ω 2% 0,25W

3175 4822 051 10102 1k 2% 0,25W  
 3251 4822 051 10162 1k6 2% 0,25W  
 3252 4822 051 10911 910Ω 2% 0,25W  
 3253 4822 051 10751 750Ω 2% 0,25W  
 3261 4822 051 10008 0Ω 5% 0,25W

3269 4822 051 10008 0Ω 5% 0,25W  
 3289 4822 051 10221 220Ω 2% 0,25W  
 3290 4822 051 10104 100k 2% 0,25W  
 3291 4822 116 52296 6k8 5% 0,5W  
 3293 4822 051 10008 0Ω 5% 0,25W

3296 ▲ 4822 052 10109 10Ω 5% 0,33W  
 3297 4822 051 10101 100Ω 2% 0,25W  
 3298 4822 051 10101 100Ω 2% 0,25W  
 3299 4822 051 10101 100Ω 2% 0,25W  
 3303 4822 051 10331 330Ω 2% 0,25W

3304 4822 051 10331 330Ω 2% 0,25W  
 3305 4822 051 51201 120Ω 1% 0,125W  
 3306 4822 051 10332 3k3 2% 0,25W  
 3307 4822 051 10103 10k 2% 0,25W  
 3308 4822 116 52233 10k 5% 0,5W

3309 4822 051 10105 1M 5% 0,25W  
 3310 4822 051 10561 560Ω 2% 0,25W  
 3311 4822 051 10102 1k 2% 0,25W  
 3312 4822 051 10008 0Ω 5% 0,25W  
 3313 4822 051 10473 47k 2% 0,25W

3314 4822 051 10682 6k8 2% 0,25W  
 3315 4822 051 10473 47k 2% 0,25W  
 3316 4822 051 10473 47k 2% 0,25W  
 3317 4822 051 10472 4k7 2% 0,25W  
 3318 4822 051 10472 4k7 2% 0,25W

3319 4822 051 10681 680Ω 2% 0,25W  
 3320 4822 100 11824 470Ω 30% 0,1W  
 3321 4822 116 52256 2k2 5% 0,5W  
 3322 4822 051 10008 0Ω 5% 0,25W  
 3350 4822 051 10823 82k 2% 0,25W

3351 4822 116 52249 1k8 5% 0,5W  
 3353 4822 051 10473 47k 2% 0,25W  
 3353 4822 051 56203 62k 1% 0,125W  
 3354 4822 100 11822 22k 30% 0,1W  
 3354 4822 100 11844 100k 30%

3355 4822 116 52267 30k 5% 0,5W  
 3356 4822 100 11821 6k8 30% 0,1W  
 3357 4822 051 20222 2k2 5% 0,1W  
 3358 4822 051 10104 100k 2% 0,25W  
 3358 4822 051 10433 43k 2% 0,25W

3359 4822 051 10272 2k7 2% 0,25W  
 3360 4822 051 10008 0Ω 5% 0,25W  
 3362 4822 051 10101 100Ω 2% 0,25W  
 3363 4822 051 10008 0Ω 5% 0,25W  
 3364 4822 051 10394 390k 2% 0,25W

3370 ▲ 4822 052 11471 470Ω 5% 0,5W  
 3401 4822 116 52259 2k4 5% 0,5W  
 3402 ▲ 4822 050 23901 390Ω 1% 0,6W  
 3402 4822 116 52222 390Ω 5% 0,5W  
 3403 ▲ 4822 116 52266 3k 5% 0,5W

3403 ▲	4822 116 52269	3k3 5% 0,5W	3522	4822 053 11569	56Ω 5% 2W	33631	4822 116 52275	360k 5% 0,5W
3403	4822 116 52276	3k9 5% 0,5W	3523	4822 050 24708	4Ω7 1% 0,6W	3635	4822 051 10008	0Ω 5% 0,25W
3404	4822 051 10202	2k 2% 0,25W	3525	4822 053 11209	20Ω 5% 2W	3651	4822 051 10103	10k 2% 0,25W
3404 ▲	4822 051 10242	2k4 2% 0,25W	3530	4822 115 10114	150Ω 10%	3652	4822 116 52207	1k2 5% 0,5W
3404	4822 051 10432	4k3 2% 0,25W	3533	4822 050 14703	47k 1% 0,4W	3653	4822 116 52207	1k2 5% 0,5W
3405	4822 051 10131	130Ω 2% 0,25W	3533	4822 050 14873	48k7 1% 0,4W	654	4822 051 10102	1k 2% 0,25W
3405	4822 051 10151	150Ω 2% 0,25W	3534	4822 051 10302	3k 2% 0,25W	3655	4822 051 10102	1k 2% 0,25W
3405	4822 051 10159	15Ω 2% 0,25W	3534	4822 051 10332	3k3 2% 0,25W	3656	4822 051 10103	10k 2% 0,25W
3406	4822 051 10123	12k 2% 0,25W	3535	4822 100 11794	1k 10%	3657	4822 051 10683	68k 2% 0,25W
3406	4822 051 10153	15k 2% 0,25W	3544 ▲	4822 052 10108	1Ω 5% 0,33W	3658	4822 051 10272	2k7 2% 0,25W
3406	4822 051 20183	18k 5% 0,1W	3547	4822 050 11502	1k5 1% 0,4W	3659	4822 051 10911	910Ω 2% 0,25W
3407	4822 051 10223	22k 2% 0,25W	3549	4822 051 10479	47Ω 2% 0,25W	3660	4822 116 52175	100Ω 5% 0,5W
3407	4822 051 20183	18k 5% 0,1W	3550	4822 051 10122	1k2 2% 0,25W	3661	4822 050 11002	1k 1% 0,4W
3408 ▲	4822 053 10681	680Ω 5% 1W	3550	4822 051 10152	1k5 2% 0,25W	3663	4822 051 10151	150Ω 2% 0,25W
3408	4822 116 52259	2k4 5% 0,5W	3551	4822 051 10151	150Ω 2% 0,25W	3663	4822 051 10471	470Ω 2% 0,25W
3409	4822 051 10008	0Ω 5% 0,25W	3552	4822 051 10101	100Ω 2% 0,25W	3664	4822 116 52296	6k8 5% 0,5W
3410	4822 100 11658	330Ω 30% 0,1W	3553	4822 051 10221	220Ω 2% 0,25W	3664	4822 116 52306	9k1 5% 0,5W
3411	4822 050 24308	4Ω3 1% 0,6W	3554	4822 053 11689	68Ω 5% 2W	3665	4822 050 11002	1k 1% 0,4W
3411 ▲	4822 052 11208	2Ω 5% 0,5W	3555	4822 051 10101	100Ω 2% 0,25W	3666	4822 051 10151	150Ω 2% 0,25W
3411	4822 116 83985	3Ω6 5% 0,33W	3556	4822 051 10681	680Ω 2% 0,25W	3666	4822 051 10471	470Ω 2% 0,25W
3412	4822 050 24308	4Ω3 1% 0,6W	3557 ▲	4822 053 11271	270Ω 5% 2W	3667	4822 116 52233	10k 5% 0,5W
3412 ▲	4822 052 10278	2Ω7 5% 0,33W	3558	4822 051 10101	100Ω 2% 0,25W	3668	4822 051 10433	43k 2% 0,25W
3412	4822 116 83984	2Ω7 5% 0,33W	3560	4822 051 10101	100Ω 2% 0,25W	3669	4822 051 10103	10k 2% 0,25W
3413	4822 051 10273	27k 2% 0,25W	3561 ▲	4822 116 52219	33Ω 5% 0,5W	3670	4822 116 52233	10k 5% 0,5W
3414	4822 051 10008	0Ω 5% 0,25W	3562	4822 051 10271	270Ω 2% 0,25W	3671	4822 051 10103	10k 2% 0,25W
3415	4822 116 52253	2k 5% 0,5W	3563	4822 051 10008	0Ω 5% 0,25W	3672	4822 051 10102	1k 2% 0,25W
3416	4822 116 52253	2k 5% 0,5W	3564 ▲	4822 052 10109	10Ω 5% 0,33W	3673	4822 051 10103	10k 2% 0,25W
3417	4822 051 10008	0Ω 5% 0,25W	3565	4822 051 10103	10k 2% 0,25W	3674	4822 050 11002	1k 1% 0,4W
3418	4822 051 10008	0Ω 5% 0,25W	3566	4822 051 10123	12k 2% 0,25W	3676	4822 116 52233	10k 5% 0,5W
3419	4822 051 10008	0Ω 5% 0,25W	3567	4822 051 20183	18k 5% 0,1W	3678	4822 051 10008	0Ω 5% 0,25W
3419	4822 051 10101	100Ω 2% 0,25W	3568	4822 053 11122	1k2 5% 2W	3679	4822 051 20222	2k2 5% 0,1W
3440 ▲	4822 116 52199	68Ω 5% 0,5W	3569	4822 116 52175	100Ω 5% 0,5W	3680	4822 051 10008	0Ω 5% 0,25W
3442	4822 051 10562	5k6 2% 0,25W	3570	4822 116 52257	22k 5% 0,5W	3682	4822 051 10008	0Ω 5% 0,25W
3443	4822 113 80583	4Ω7 10% 5W	3571 ▲	4822 050 24701	470Ω 1% 0,6W	3683	4822 051 10008	0Ω 5% 0,25W
3444	4822 053 11562	5k6 5% 2W	3572 ▲	4822 116 52202	82Ω 5% 0,5W	3684	4822 051 10332	3k3 2% 0,25W
3444 ▲	4822 117 10037	4k7 5% 3W	3573	4822 116 52284	47k 5% 0,5W	3685	4822 051 10332	3k3 2% 0,25W
3445	4822 051 10479	47Ω 2% 0,25W	3574	4822 051 10104	100k 2% 0,25W	3686	4822 051 10102	1k 2% 0,25W
3448 ▲	4822 052 10108	1Ω 5% 0,33W	3591	4822 051 10008	0Ω 5% 0,25W	3687	4822 051 10102	1k 2% 0,25W
3449 ▲	4822 052 10108	1Ω 5% 0,33W	3593	4822 051 10008	0Ω 5% 0,25W	3688	4822 051 10225	2M2 5% 0,25W
3451	4822 051 10333	33k 2% 0,25W	3601	4822 116 52233	10k 5% 0,5W	3689	4822 051 10104	100k 2% 0,25W
3452 ▲	4822 052 10109	10Ω 5% 0,33W	3602	4822 116 52303	8k2 5% 0,5W	3692	4822 050 11002	1k 1% 0,4W
3452 ▲	4822 052 10159	15Ω 5% 0,33W	3603	4822 050 12403	2,2M 0,125W	3693	4822 116 52284	47k 5% 0,5W
3452 ▲	4822 052 10478	4Ω7 5% 0,33W	3604	4822 051 10151	150Ω 2% 0,25W	3694	4822 051 10008	0Ω 5% 0,25W
3454 ▲	4822 052 11102	1k 5% 0,5W	3604	4822 051 10339	33Ω 2% 0,25W	3695	4822 051 10101	100Ω 2% 0,25W
3455	4822 051 10123	12k 2% 0,25W	3605	4822 050 12204	220k 1% 0,4W	3696	4822 051 10101	100Ω 2% 0,25W
3455	4822 051 20183	18k 5% 0,1W	3606	4822 116 52233	10k 5% 0,5W	3697	4822 051 10101	100Ω 2% 0,25W
3456	4822 053 20334	330k 5% 0,25W	3607	4822 051 10332	3k3 2% 0,25W	3698	4822 116 52175	100Ω 5% 0,5W
3456	4822 053 20434	430k 5% 0,25W	3610	4822 051 10153	15k 2% 0,25W	3699	4822 051 10472	4k7 2% 0,25W
3457	4822 113 80573	270Ω 10% 5W	3611	4822 051 10103	10k 2% 0,25W	3850	4822 051 10123	12k 2% 0,25W
3460	4822 051 10103	10k 2% 0,25W	3612	4822 051 10103	10k 2% 0,25W	3851	4822 116 80747	75Ω 5% 0,125W
3460	4822 051 10113	11k 2% 0,25W	3613	4822 051 10123	12k 2% 0,25W	3852	4822 051 10123	12k 2% 0,25W
3465	4822 051 10185	1M8 5% 0,25W	3614	4822 051 10472	4k7 2% 0,25W	3853	4822 116 80747	75Ω 5% 0,125W
3470 ▲	4822 052 10478	4Ω7 5% 0,33W	3614	4822 051 10473	47k 2% 0,25W	3854	4822 051 10008	0Ω 5% 0,25W
3470 ▲	4822 052 10828	8Ω2 5% 0,33W	3615	4822 051 10824	820k 2% 0,25W	3855	4822 116 80747	75Ω 5% 0,125W
3501	4822 116 40137	PTC 36Ω 365V	3616	4822 051 10008	0Ω 5% 0,25W	3856	4822 051 10008	0Ω 5% 0,25W
3503 ▲	4822 053 21475	4M7 5% 0,5W	3616	4822 116 52284	47k 5% 0,5W	3857	4822 051 10008	0Ω 5% 0,25W
3504 ▲	4822 053 21475	4M7 5% 0,5W	3617	4822 051 10008	0Ω 5% 0,25W	3858	4822 116 80747	75Ω 5% 0,125W
3508	4822 051 10333	33k 2% 0,25W	3617	4822 051 10562	5k6 2% 0,25W	3859	4822 051 10008	0Ω 5% 0,25W
3509	4822 116 52274	36k 5% 0,5W	3618	4822 051 20183	18k 5% 0,1W	3860	4822 051 10471	470Ω 2% 0,25W
3510	4822 051 10333	33k 2% 0,25W	3620	4822 051 10433	43k 2% 0,25W	3862	4822 050 11002	1k 1% 0,4W
3511	4822 051 10102	1k 2% 0,25W	3621	4822 051 10363	36k 2% 0,25W	3865	4822 116 82719	56Ω 5% 0,125W
3513	4822 051 10223	22k 2% 0,25W	3621	4822 051 10393	39k 2% 0,25W	3866	4822 116 82718	18Ω 5% 0,125W
3514	4822 116 52278	390k 5% 0,5W	3622	4822 116 52284	47k 5% 0,5W	3871	4822 116 52215	220Ω 5% 0,5W
3515	4822 051 10471	470Ω 2% 0,25W	3623	4822 116 52257	22k 5% 0,5W	3875	4822 116 52196	51Ω 5% 0,5W
3516	4822 051 10101	100Ω 2% 0,25W	3624	4822 051 10273	27k 2% 0,25W	3876	4822 051 10332	3k3 2% 0,25W
3517	4822 116 52206	120Ω 5% 0,5W	3625	4822 051 10163	16k 2% 0,25W	3878	4822 116 52251	18k 5% 0,5W
3518	4822 051 10224	220k 2% 0,25W	3626	4822 116 52251	18k 5% 0,5W	3879	4822 051 10473	47k 2% 0,25W
3520	4822 051 10184	180k 2% 0,25W	3627	4822 051 10223	22k 2% 0,25W	3880	4822 051 10562	5k6 2% 0,25W
3521	4822 053 11209	20Ω 5% 2W	3628	4822 051 10393	39k 2% 0,25W	3881	4822 051 10103	10k 2% 0,25W
3521	4822 053 11569	56Ω 5% 2W	3630	4822 051 10274	270k 2% 0,25W	3882	4822 051 10752	7k5 2% 0,25W

3883 4822 051 10103 10k 2% 0,25W  
3901 4822 051 10008 0Ω 5% 0,25W  
3902 4822 051 10008 0Ω 5% 0,25W

5010 4822 157 62552 2,2μH  
5012 4822 157 63068 0,28μH  
5018 4822 526 10494 FERRITE BEAD  
5030 4822 157 60123 6,8μH  
5032 4822 157 62767 8,2μH

5040 4822 157 63064 0,19μH  
5040 4822 157 63071 0,3μH  
5043 4822 157 63069 0,7μH  
5102 4822 157 63524 1,0μH  
5104 4822 157 63525 0,35μH

5106 4822 157 63526 0,34μH  
5138 4822 157 53635 10K 0,75μH 6%  
5139 4822 157 53635 10K 0,75μH 6%  
5177 4822 157 52333 100μH  
5251 4822 320 40235 DELAY LINE

5255 4822 157 53302 1,0μH  
5258 ▲ 4822 157 51462 10μH  
5259 4822 157 52808 10μH  
5284 4822 157 60141 3,3μH  
5285 4822 157 60141 3,3μH

5286 4822 157 60141 3,3μH  
5296 ▲ 4822 157 51462 10μH  
5320 4822 157 52808 10μH  
5440 4822 157 52983 2N2  
5441 4822 146 21116 LOT DRIVER

5443 ▲ 4822 157 51462 10μH  
5445 ▲ 4822 140 10406 LOT AT2079/40  
5447 4822 157 62766 262LYF-0095K  
5449 4822 156 20966 47μH  
5449 4822 158 10551 27μH

5452 4822 157 51157 3,3μH  
5453 ▲ 4822 157 51462 10μH  
5454 4822 156 21332 LIN. COIL (21")  
5454 4822 157 53205 LIN. C. (14/17")  
5470 ▲ 4822 157 51462 10μH

5500 4822 212 22978 MAINS FILTER  
5503 4822 157 53139 4,7μH  
5515 4822 157 50963 2,2μH  
5521 4822 157 51195 1μH  
5524 4822 157 53542 1μH 2%

5525 4822 148 81121 SOPS TRF  
5529 4822 157 63411 68μH  
5530 4822 157 63411 68μH  
5531 4822 158 10551 27μH  
5532 4822 157 51157 3,3μH

5534 4822 157 62878 3,3μH  
5540 4822 156 20966 47μH  
5541 4822 156 20966 47μH  
5545 4822 157 51195 1μH  
5554 4822 157 51157 3,3μH

5560 ▲ 4822 157 51462 10μH  
5601 ▲ 4822 157 51462 10μH  
5652 ▲ 4822 157 51462 10μH  
5653 ▲ 4822 157 51462 10μH  
5677 4822 157 53906 47μH



6014 4822 130 80888 BA682  
6020 4822 130 81223 LLZ-C2V4  
6034 4822 130 80446 LL4148  
6042 4822 130 80888 BA682  
6050 ▲ 4822 130 30621 1N4148

6051 ▲ 4822 130 30621 1N4148  
6052 ▲ 4822 130 30621 1N4148

6053 4822 130 80446 LL4148  
6054 4822 130 81147 LLZ-F6V2  
6055 4822 130 80446 LL4148  
6115 4822 130 80888 BA682  
6116 4822 130 80888 BA682

6119 4822 130 80888 BA682  
6120 4822 130 80888 BA682  
6135 4822 130 80883 LLZ-C4V7  
6170 4822 130 80888 BA682  
6172 4822 130 80888 BA682

6289 4822 130 80446 BAS32L  
6306 4822 130 80954 LLZ-C5V6  
6370 4822 130 82304 LLZ-F12  
6415 4822 130 80446 LL4148  
6416 4822 130 42488 BYD33D

6443 5322 130 31938 BYV27-200  
6446 4822 130 32896 BYD33M  
6447 4822 130 32896 BYD33M  
6449 4822 130 42488 BYD33D  
6449 5322 130 32967 BYV26B

6451 4822 130 42488 BYD33D  
6452 4822 130 42488 BYD33D  
6453 4822 130 42488 BYD33D  
6470 4822 130 42488 BYD33D  
6502 4822 130 81497 1N4005GP

6503 4822 130 81497 1N4005GP  
6504 4822 130 81497 1N4005GP  
6505 4822 130 81497 1N4005GP  
6511 4822 130 80446 LL4148  
6513 4822 130 80446 LL4148

6514 4822 130 80446 LL4148  
6515 4822 130 80446 LL4148  
6516 4822 130 80886 LLZ-F22  
6517 4822 130 31456 BZV85-C5V1  
6521 4822 130 42488 BYD33D

6522 ▲ 4822 130 30621 1N4148  
6523 4822 130 80446 LL4148  
6530 4822 130 82033 BYD34J  
6537 4822 130 34167 BZX79-F6V2  
6540 4822 130 42488 BYD33D

6545 4822 130 42488 BYD33D  
6549 4822 130 80446 LL4148  
6554 4822 130 42489 BYD33G  
6555 4822 130 82305 LLZ-F18  
6557 4822 130 80887 LLZ-F36

6558 4822 130 80887 LLZ-F36  
6559 4822 130 80887 LLZ-F36  
6562 4822 130 80905 LLZ-F5V1  
6566 4822 130 34174 BZX79-F4V7  
6568 4822 130 81147 LLZ-F6V2

6569 4822 130 80446 LL4148  
6570 4822 130 20245 SF0R5D43  
6573 4822 130 80446 LL4148  
6602 4822 130 82037 HZT33  
6603 4822 130 80446 LL4148

6604 4822 130 80446 LL4148  
6605 4822 130 80446 LL4148  
6606 4822 130 80446 LL4148  
6658 4822 130 80446 LL4148  
6663 ▲ 4822 209 30563 TLXR5400

6679 4822 130 80446 LL4148  
6698 4822 130 80446 LL4148  
6849 ▲ 4822 130 30621 1N4148  
6850 4822 130 80446 LL4148  
6851 4822 130 80446 LL4148

6852 4822 130 80446 LL4148  
6853 4822 130 80446 LL4148  
6854 4822 130 80446 LL4148  
6855 4822 130 80446 LL4148  
6865 ▲ 4822 130 30621 1N4148



7002 4822 209 10892 LA7910  
7015 4822 209 63107 TDA4504B/N1B  
7027 4822 130 61207 BC848  
7030 4822 130 61207 BC848  
7038 4822 130 61207 BC848

7125 4822 209 63105 TDA3843/V3  
7135 4822 209 30278 TDA3827/V3  
7156 4822 130 61207 BC848  
7157 ▲ 4822 209 60956 TDA7052/N1  
7158 4822 130 61207 BC848

7170 4822 130 61207 BC848  
7221 4822 209 31714 TDA4661/V2  
7250 4822 209 30011 TDA4650/V4  
7251 4822 130 61207 BC848  
7255 4822 130 42696 BC818-25

7256 4822 130 61207 BC848  
7260 4822 209 30389 TDA4510/V8  
7280 4822 209 63104 TDA3504/V1  
7290 4822 130 42134 BC858BR  
7400 4822 209 60955 TDA3653B/N1

7440 4822 130 41782 BF422  
7445 4822 130 42679 BUT11AF  
7512 5322 130 42136 BC848C  
7514 ▲ 4822 130 82034 CNX83A  
7515 4822 130 42513 BC858C

7516 5322 130 44349 BC635  
7525 4822 130 42679 BUT11AF  
7537 5322 130 60159 BC846B  
7552 4822 130 42155 BC327A  
7553 5322 130 42012 BC858A

7554 4822 130 42032 BC337A  
7555 5322 130 60159 BC846  
7556 4822 130 60136 BC856  
7561 4822 130 40823 BD135  
7563 5322 130 42012 BC858

7571 4822 130 61207 BC848  
7600 4822 209 32117 TMP47C434N3146  
7600 4822 209 32139 TMP47C834NR132  
7600 4822 209 63948 TMP47C434N3122  
7605 4822 209 73852 PMBT2369

7654 4822 130 61207 BC848  
7658 4822 209 73852 PMBT2369  
7665 4822 130 61207 BC848  
7670 4822 130 61207 BC848  
7672 4822 130 61207 BC848

7674 4822 130 61207 BC848  
7685 4822 209 62098 ST24C02A  
7686 4822 130 61207 BC848  
7875 4822 130 61207 BC848  
7876 4822 130 61207 BC848

7877 4822 130 61207 BC848

## Picture tube module

▲ 4822 255 70251 CRT SOCKET

## Various

1235 ▲ 4822 071 56301 FUSE 630MA



2202	4822 126 11544	22000pF 63V
2204	4822 122 32142	270pF 2% 63V
2206	4822 124 41828	1µF 20% 250V
2217	4822 122 32142	270pF 2% 63V
2230	4822 122 32142	270pF 2% 63V

2237 4822 121 41926 33nF 5% 630V



3202	4822 053 11123	12k 5% 2W
3203	4822 111 50518	1k5 5% 0,5W
3204	4822 051 10229	22Ω 2% 0,25W
3205	4822 051 10621	620Ω 2% 0,25W
3206	4822 051 10112	1k1 2% 0,25W

3207	4822 100 11638	4k7 20% 0,1W
3207	4822 100 20171	2k2 10% 0,05W
3208	4822 051 10008	0Ω 5% 0,25W
3208 ▲	4822 051 10242	2k4 2% 0,25W
3210	4822 051 10332	3k3 2% 0,25W

3211	4822 051 10332	3k3 2% 0,25W
3212	4822 051 10332	3k3 2% 0,25W
3213	4822 100 11637	2k2 20% 0,1W
3214	4822 100 11637	2k2 20% 0,1W
3215	4822 053 11123	12k 5% 2W

3216	4822 111 50518	1k5 5% 0,5W
3217	4822 051 10229	22Ω 2% 0,25W
3218	4822 051 10621	620Ω 2% 0,25W
3219	4822 051 10112	1k1 2% 0,25W
3220	4822 100 11638	4k7 20% 0,1W

3220	4822 100 20171	2k2 10% 0,05W
3221	4822 051 10008	0Ω 5% 0,25W
3221 ▲	4822 051 10242	2k4 2% 0,25W
3222	4822 051 10561	560Ω 2% 0,25W
3224	4822 051 10152	1k5 2% 0,25W

3225	4822 051 10432	4k3 2% 0,25W
3226	4822 051 10112	1k1 2% 0,25W
3226	4822 051 10911	910Ω 2% 0,25W
3227	4822 051 10102	1k 2% 0,25W
3228	4822 053 11123	12k 5% 2W

3229	4822 111 50518	1k5 5% 0,5W
3230	4822 051 10229	22Ω 2% 0,25W
3231	4822 051 10008	0Ω 5% 0,25W
3231 ▲	4822 051 10242	2k4 2% 0,25W
3232	4822 051 10621	620Ω 2% 0,25W

3233	4822 051 10112	1k1 2% 0,25W
3234	4822 100 11638	4k7 20% 0,1W
3234	4822 100 20171	2k2 10% 0,05W
3235 ▲	4822 052 10108	1Ω 5% 0,33W
3236	4822 111 50518	1k5 5% 0,5W

3237 4822 111 50518 1k5 5% 0,5W



5235	4822 158 10549	12 µH (21")
5235	5322 157 53016	10 µH (14/17")



6205	4822 130 80446	BAS32L
6218	4822 130 80446	BAS32L
6227	4822 130 80446	BAS32L



7205	4822 130 41782	BF422
7218	4822 130 41782	BF422
7225	5322 130 42012	BC858
7227	4822 130 41782	BF422

## Teletext module

4822 265 40469	CONN. 6P FEM.
4822 265 40471	CONN. 8P FEM.

## Various

1701	4822 242 81246	27MHz
1702	4822 242 71508	6,00MHz
1710 ▲	4822 071 52501	FUSE 250MA



2701	4822 122 32504	15pF 2% 63V
2702	4822 122 31971	10pF 2% 63V
2703	4822 122 31746	1000pF 2% 63V
2704	4822 122 33496	100nF 10% 63V
2705	4822 122 33496	100nF 10% 63V

2706	4822 122 33496	100nF 10% 63V
2707	4822 122 33496	100nF 10% 63V
2709	4822 126 10324	33pF 2% 63V
2710	4822 126 10324	33pF 2% 63V
2712	4822 122 33496	100nF 10% 63V

2713	4822 122 33496	100nF 10% 63V
2714	4822 122 33496	100nF 10% 63V
2715	4822 122 33496	100nF 10% 63V
2716	4822 122 33496	100nF 10% 63V
2732	4822 122 33496	100nF 10% 63V

2734	4822 124 40435	10µF 20% 50V
2736	4822 122 31766	120pF 2% 63V
2750	4822 124 40177	47µF 20% 10V
2752	4822 124 40177	47µF 20% 10V
2770	4822 124 41584	100µF 20% 10V



3700 ▲	4822 116 52219	330Ω 5% 0,5W
3701 ▲	4822 116 52219	330Ω 5% 0,5W
3702	4822 051 10332	3k3 2% 0,25W
3704	4822 051 10152	1k5 2% 0,25W
3705	4822 051 10273	27k 2% 0,25W

3706	4822 116 52213	180Ω 5% 0,5W
3707	4822 050 11002	1k 1% 0,4W
3709	4822 051 10333	33k 2% 0,25W
3710	4822 051 10103	10k 2% 0,25W
3711	4822 051 10101	100Ω 2% 0,25W

3713	4822 051 10223	22k 2% 0,25W
3714	4822 051 10103	10k 2% 0,25W
3716	4822 051 51201	120Ω 1% 0,125W
3718	4822 116 52208	130Ω 5% 0,5W
3722	4822 051 10122	1k2 2% 0,25W

3723	4822 051 10102	1k 2% 0,25W
3724	4822 051 10332	3k3 2% 0,25W
3725	4822 051 10279	27Ω 2% 0,25W
3726	4822 051 10279	27Ω 2% 0,25W
3728	4822 051 10822	8k2 2% 0,25W

3729	4822 051 10331	330Ω 2% 0,25W
3730	4822 051 10471	470Ω 2% 0,25W
3731	4822 051 10331	330Ω 2% 0,25W
3732	4822 051 10102	1k 2% 0,25W
3733	4822 051 10102	1k 2% 0,25W

3734	4822 051 10681	680Ω 2% 0,25W
3735	4822 051 10561	560Ω 2% 0,25W
3736	4822 051 10473	47k 2% 0,25W
3737	4822 050 11002	1k 1% 0,4W
3738	4822 116 52284	47k 5% 0,5W

3740	4822 051 10102	1k 2% 0,25W
3741	4822 051 10102	1k 2% 0,25W
3742	4822 051 10102	1k 2% 0,25W
3750	4822 051 51201	120Ω 1% 0,125W
3751	4822 051 51201	120Ω 1% 0,125W

3752	4822 051 10101	100Ω 2% 0,25W
3756	4822 051 10103	10k 2% 0,25W



3757	4822 051 10101	100Ω 2% 0,25W
3760	4822 116 52256	2k2 5% 0,5W
3761	4822 116 52256	2k2 5% 0,5W
3762	4822 116 52175	100Ω 5% 0,5W

3763	4822 051 10101	100Ω 2% 0,25W
3765 ▲	4822 116 52202	82Ω 5% 0,5W
3766 ▲	4822 116 52202	82Ω 5% 0,5W
3767 ▲	4822 116 52202	82Ω 5% 0,5W
3768	4822 051 10101	100Ω 2% 0,25W

3769	4822 051 10331	330Ω 2% 0,25W
3770	4822 051 10101	100Ω 2% 0,25W

**Jumper**

4700	4822 051 10008	0Ω 5% 0,25W
4703	4822 051 10008	0Ω 5% 0,25W
4704	4822 051 10008	0Ω 5% 0,25W
4720	4822 051 10008	0Ω 5% 0,25W

5701	4822 157 70386	4,7μH
5704	4822 157 60123	6,8μH
5734	4822 157 53001	27μH
5746	4822 157 60123	6,8μH
5747	4822 157 60123	6,8μH
5770	4822 157 60123	6,8μH

6704	4822 130 82886	LLZ-F3V0
6705	4822 130 80446	LL4148
6710	4822 130 81139	LLZ-C3V3
6750	4822 130 81227	LLZ-F5V6
6751	4822 130 81227	LLZ-F5V6

7700	4822 209 31215	SAA5246AP/H
7700	4822 209 32122	SAA5246AP/E/S
7701	4822 209 72681	MSM5165AL-12RS
7702	4822 209 30281	PCF84C81A/097
7702	4822 209 31069	PCF84C81AP/098
7702	4822 209 32102	PCF84C81AP/125
7710 ▲	5322 130 41982	BC848B
7711 ▲	5322 130 41982	BC848B
7713	5322 130 60159	BC846B
7715 ▲	5322 130 41982	BC848B
7731	5322 130 42012	BC858
7732 ▲	5322 130 41982	BC848B
7750	4822 130 40855	BC337
7751	4822 130 40855	BC337
7754 ▲	5322 130 41982	BC848B
7755 ▲	5322 130 41982	BC848B
7765 ▲	5322 130 41982	BC848B
7766 ▲	5322 130 41982	BC848B
7767 ▲	5322 130 41982	BC848B

**Interface module**

4822 265 30497	CONN. 5P MALE
4822 264 50148	CONN. 8P MALE
4822 267 50591	CONN. 6P MALE

3781	4822 116 52233	10k 5% 0,5W
3782	4822 117 10224	12Ω 5% 1W
3783	4822 116 52226	560Ω 5% 0,5W
3784	4822 116 52226	560Ω 5% 0,5W
3785	4822 116 52226	560Ω 5% 0,5W
3786	4822 050 11002	1k 1% 0,4W